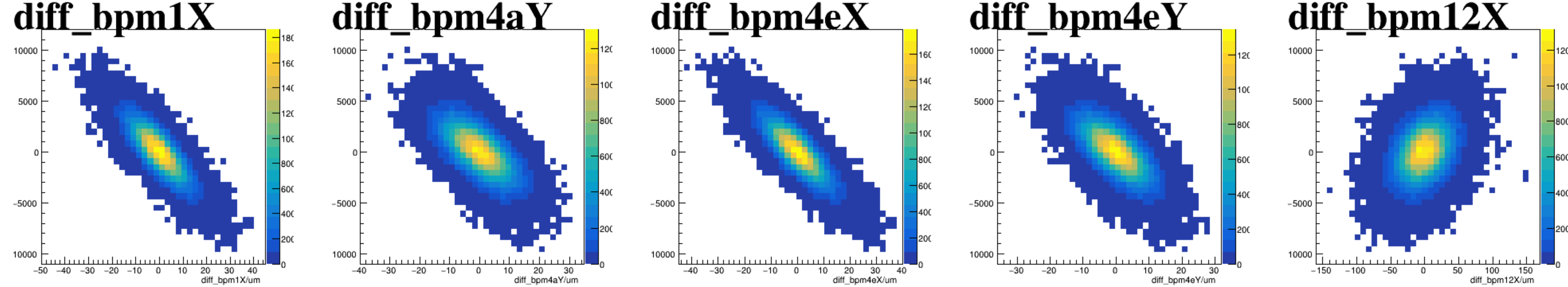
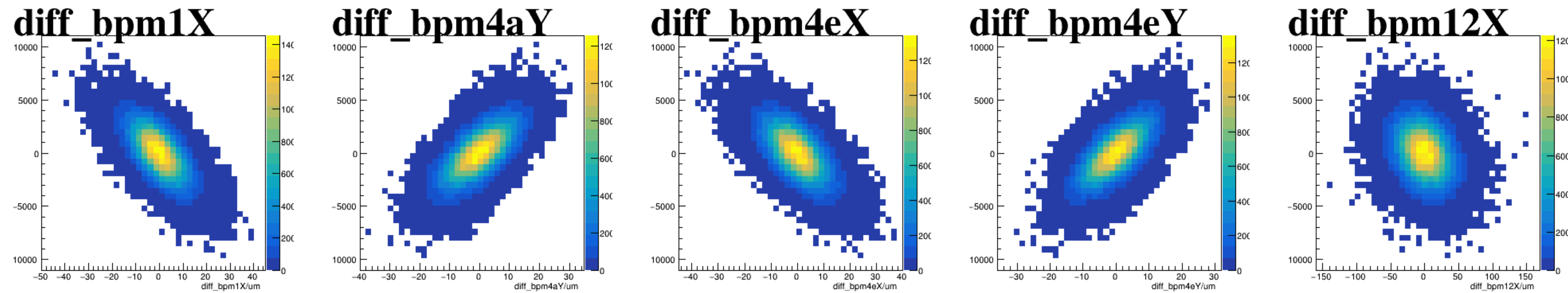


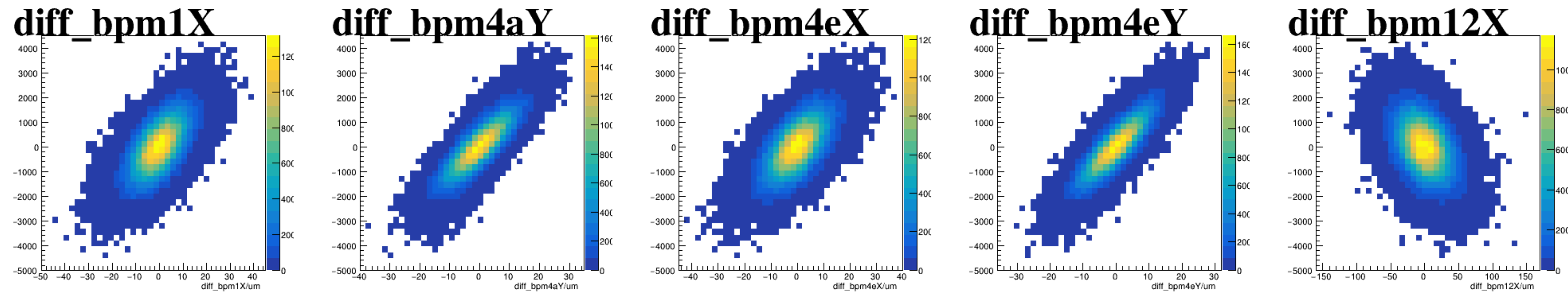
asym_sam2



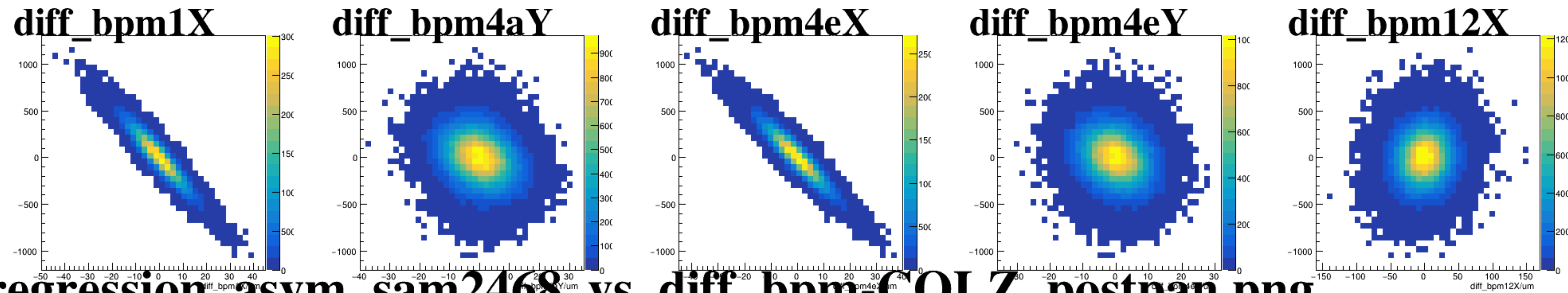
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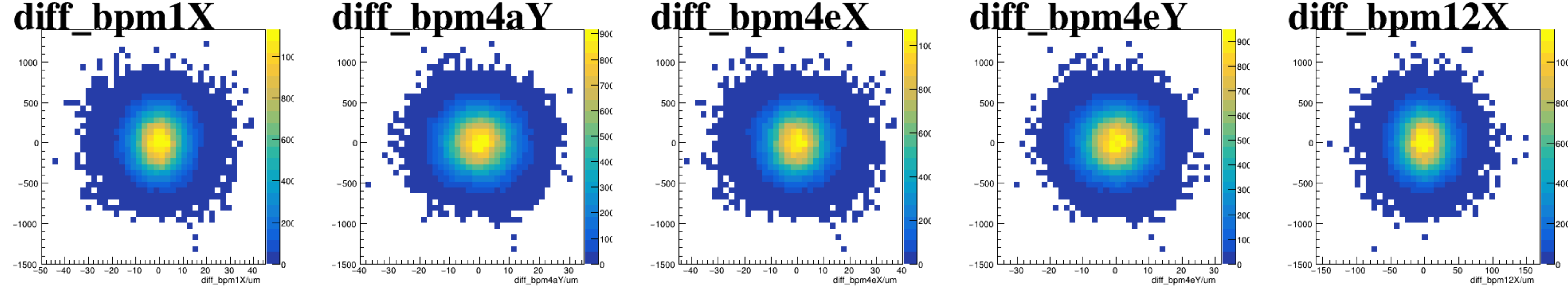
asym_sam6



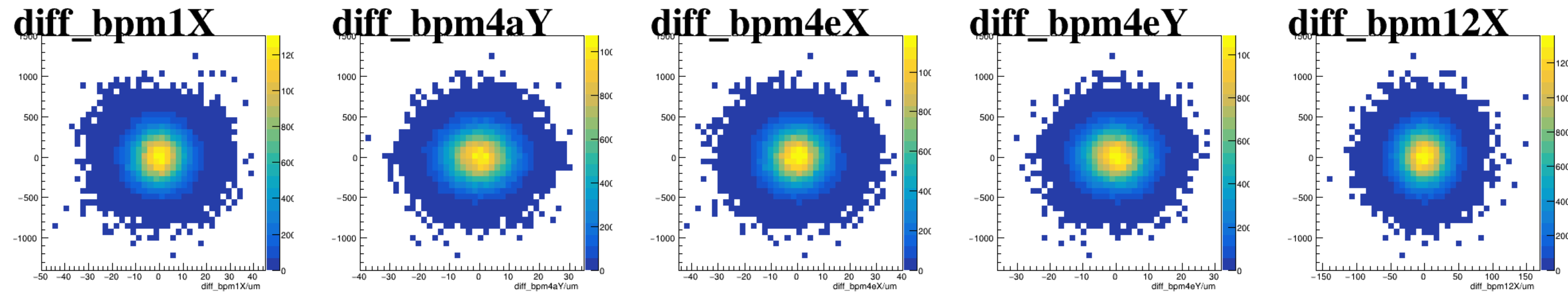
asym_sam8



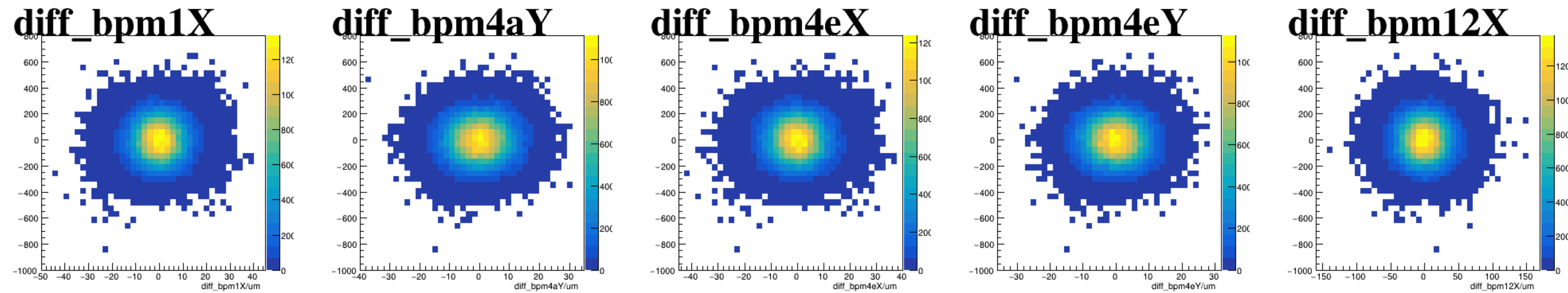
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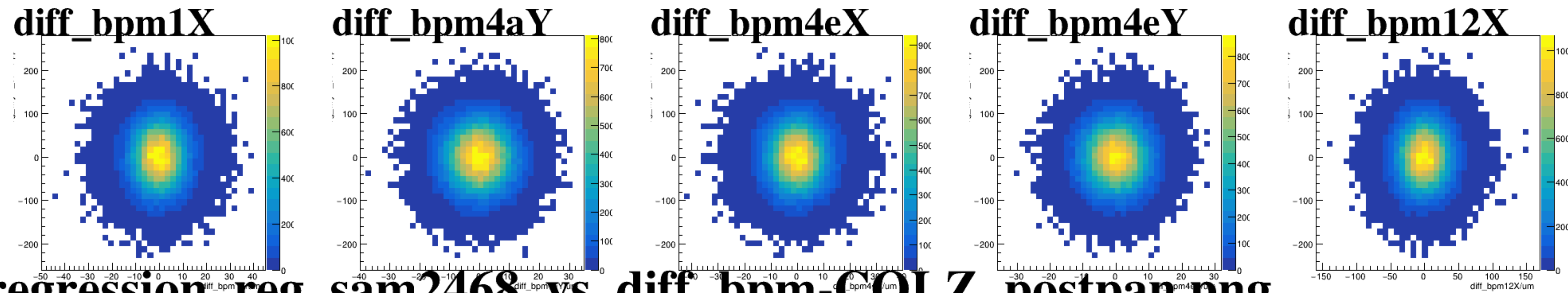
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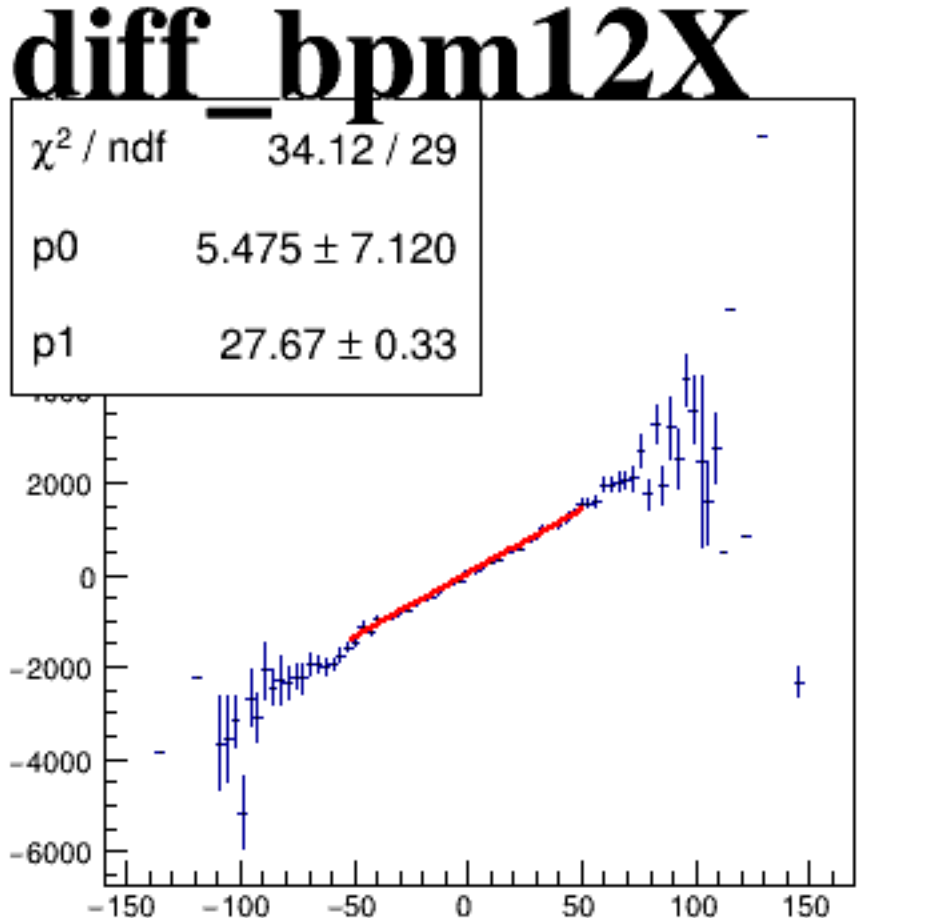
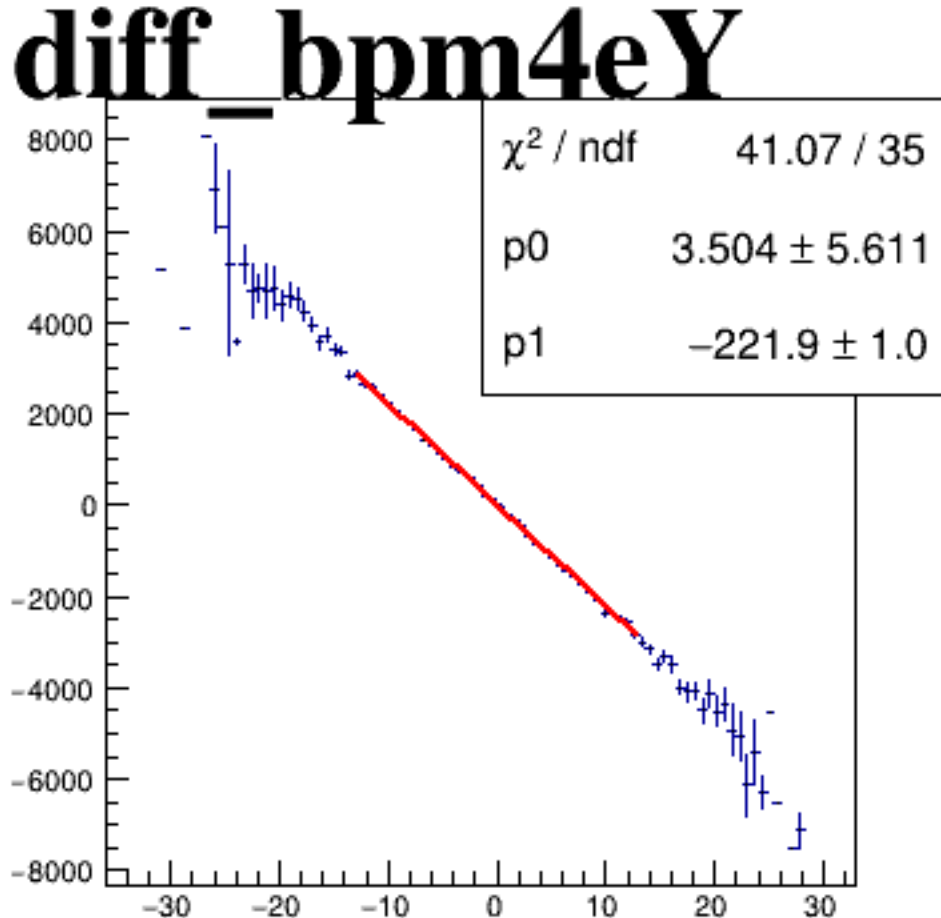
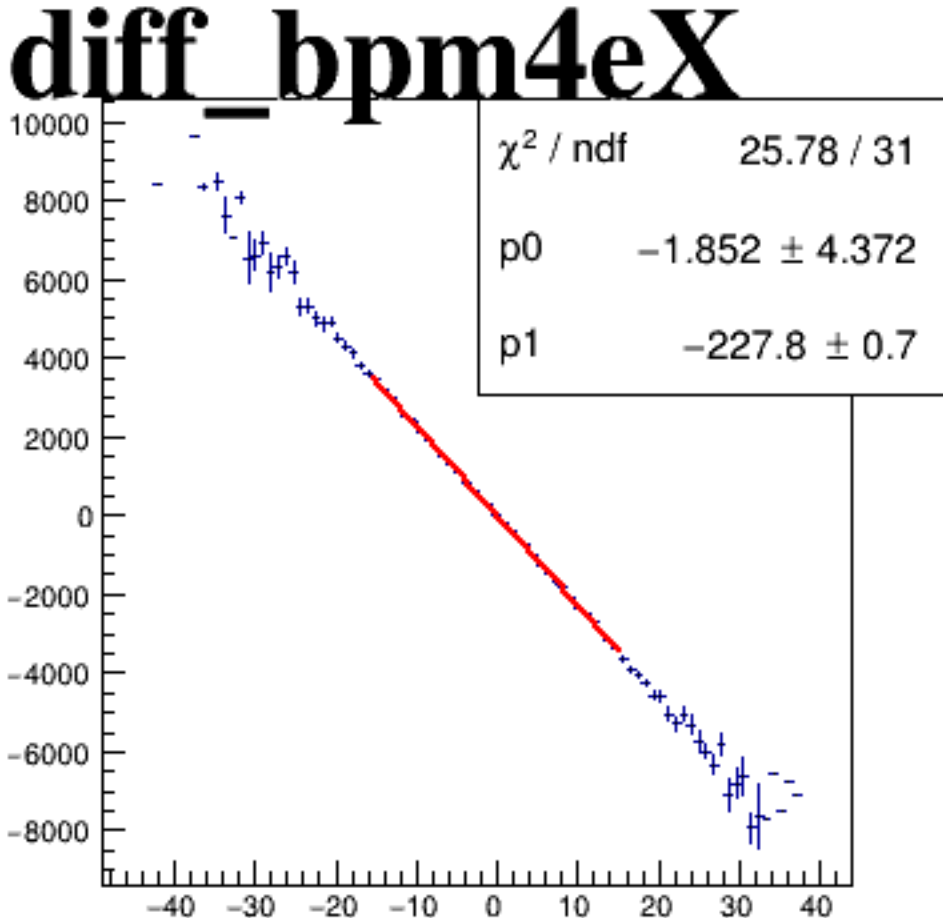
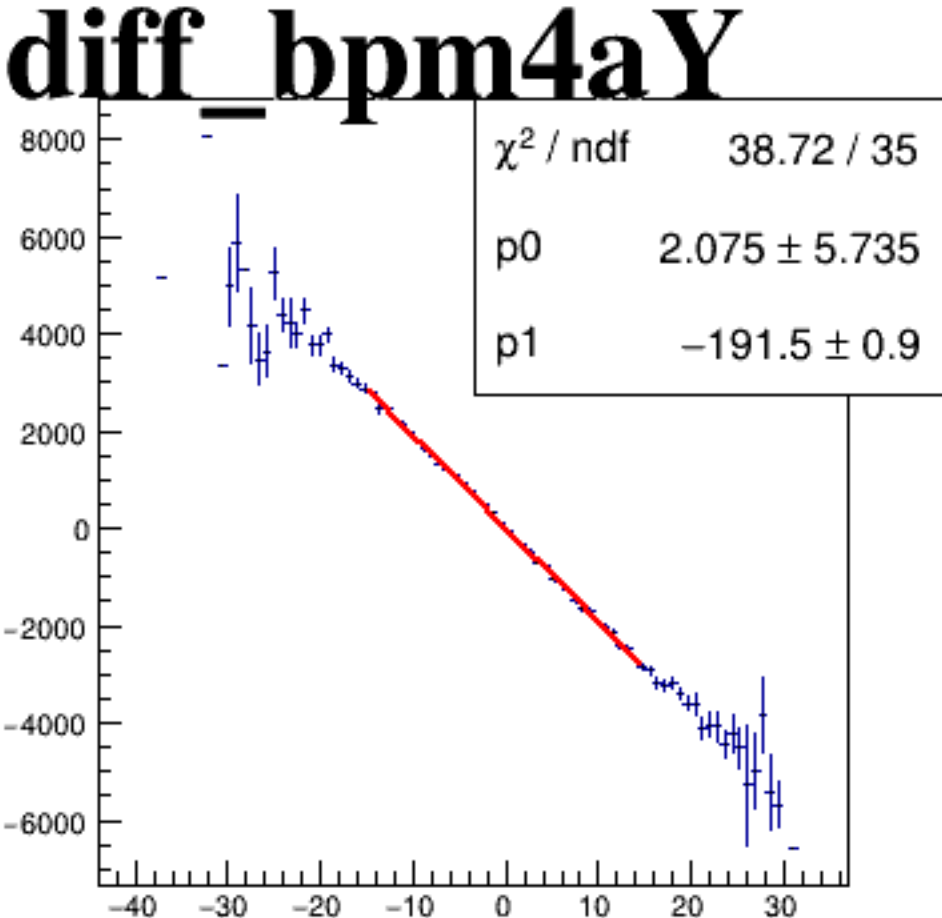
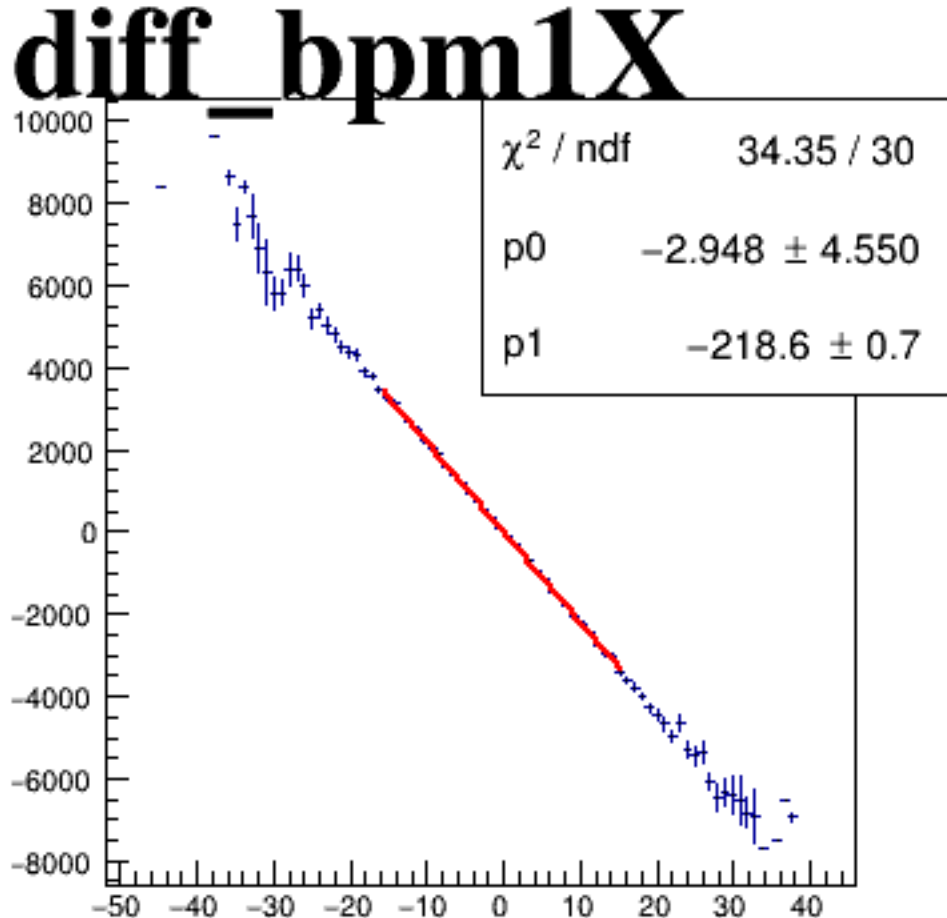
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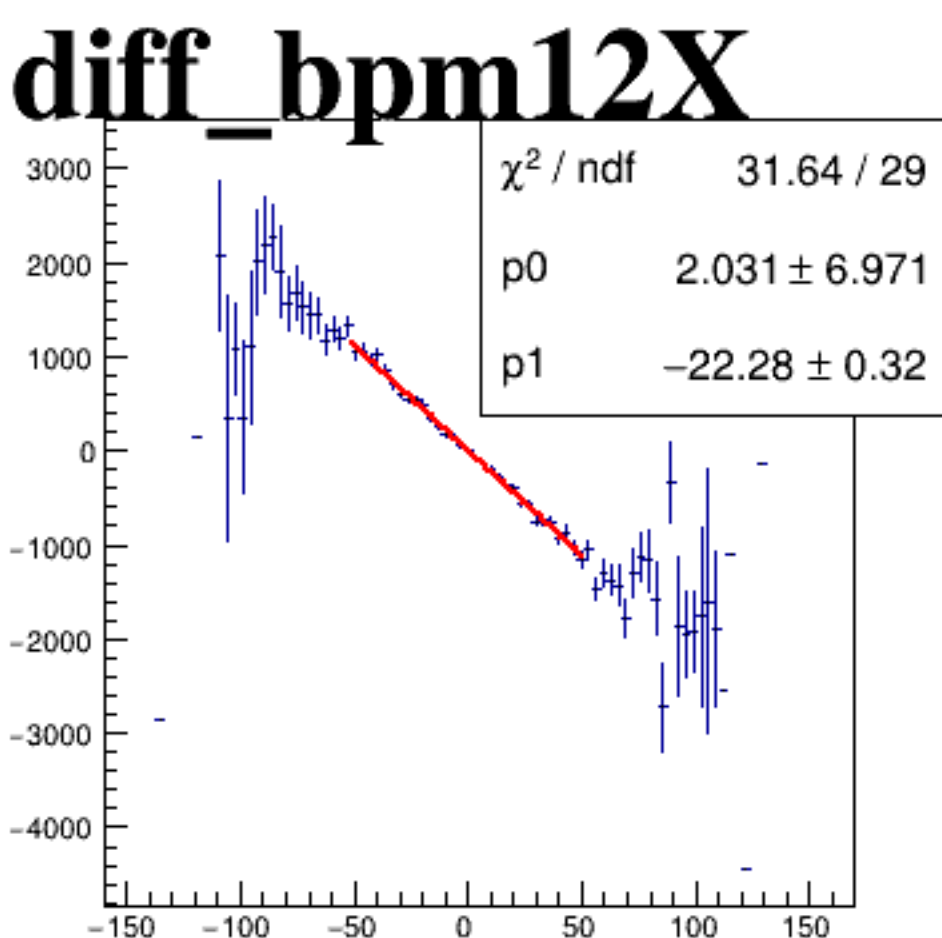
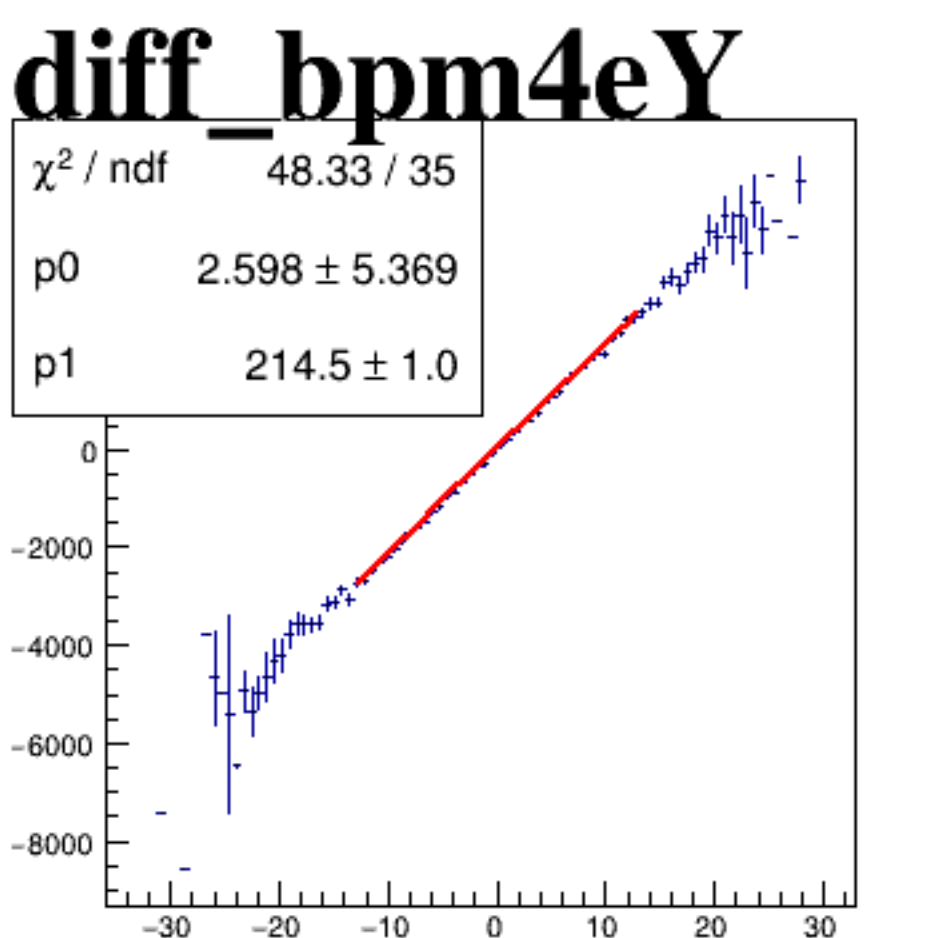
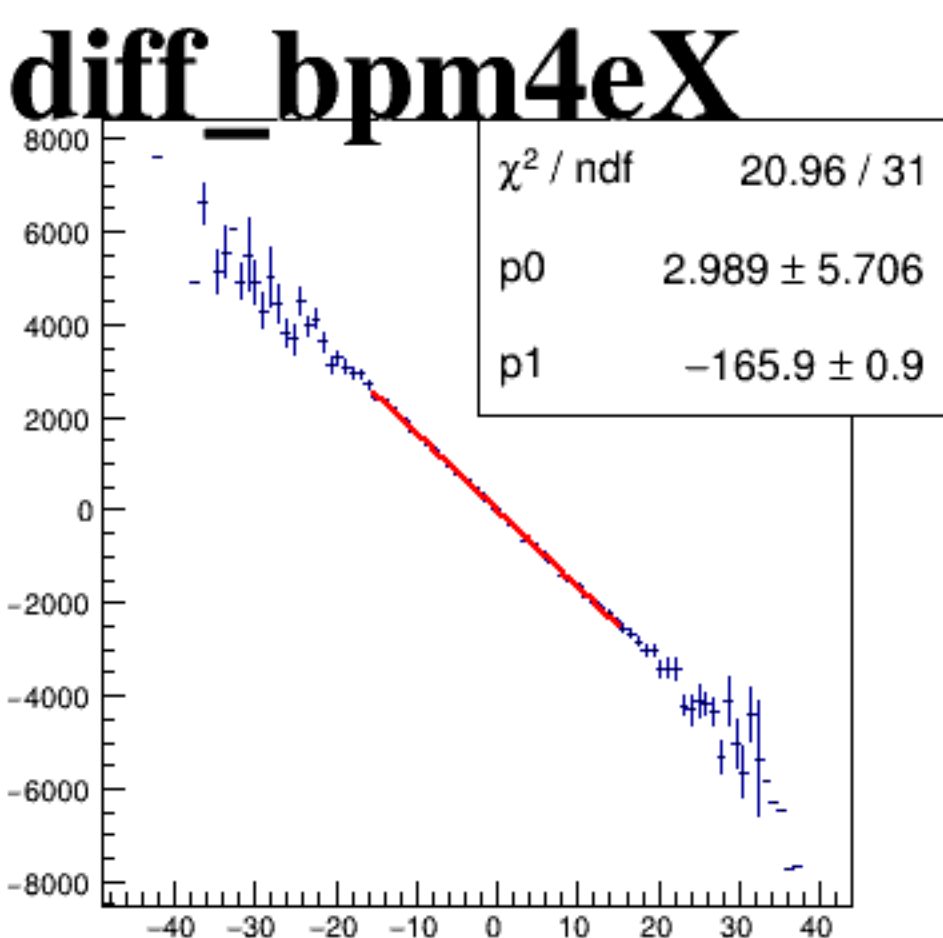
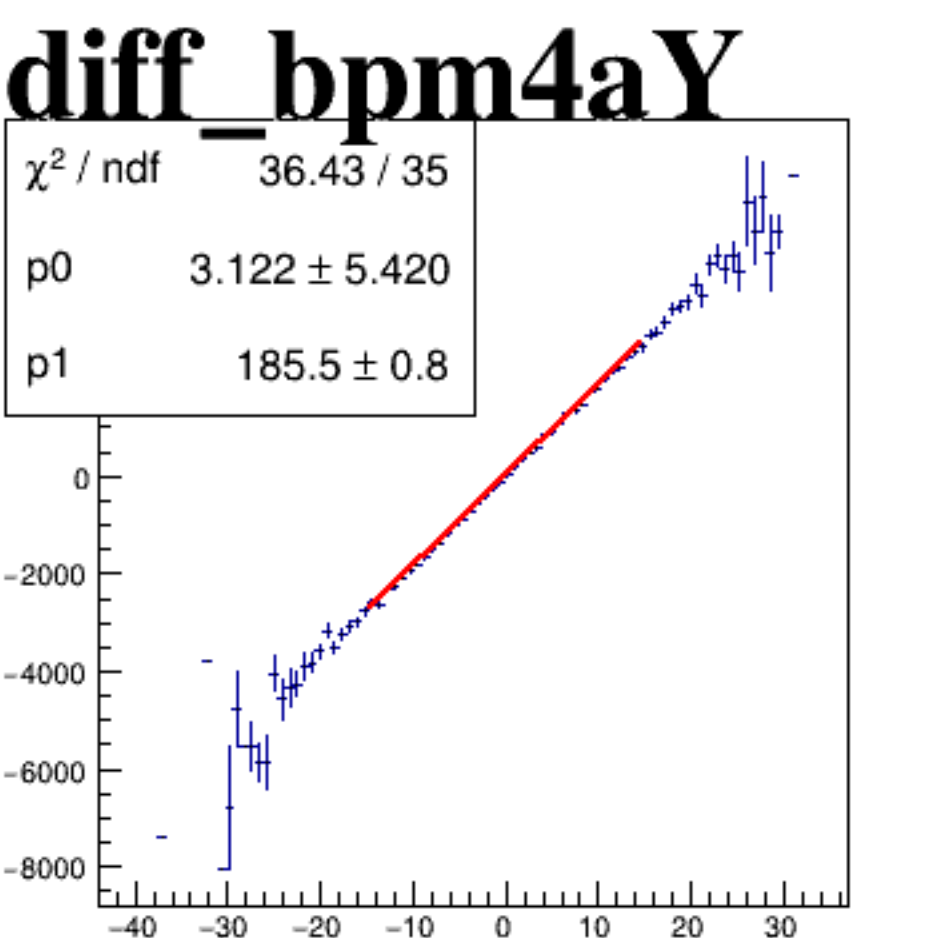
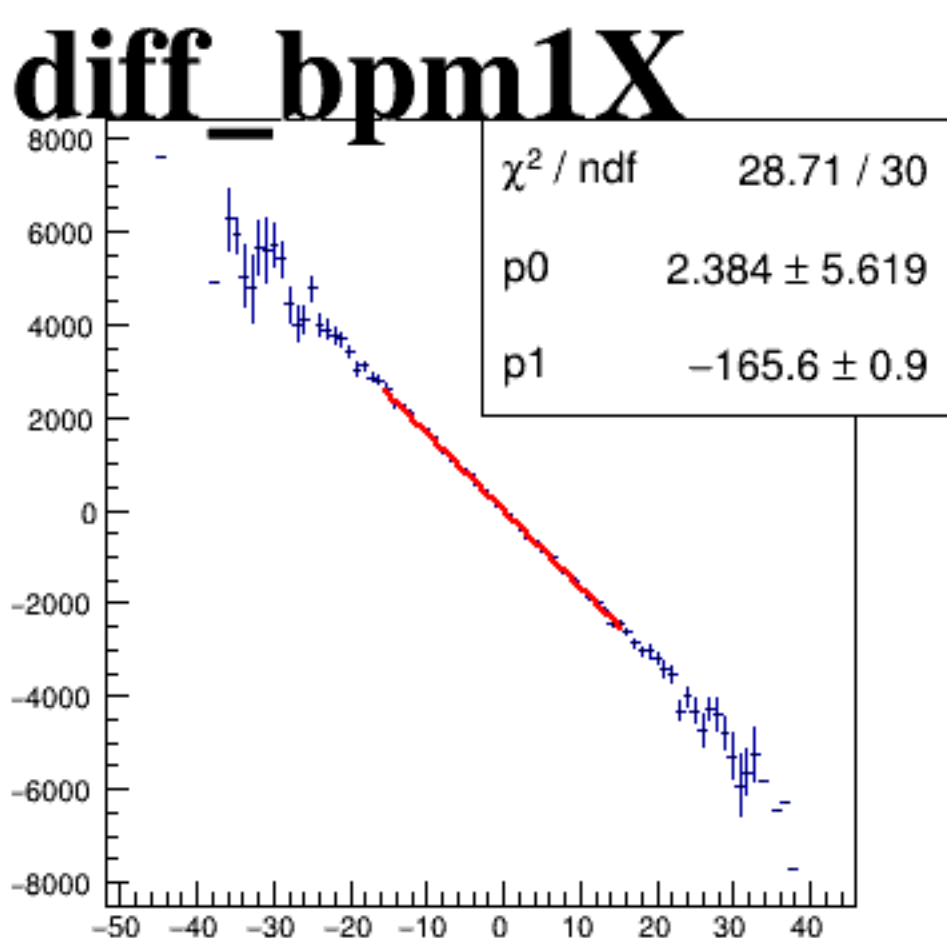
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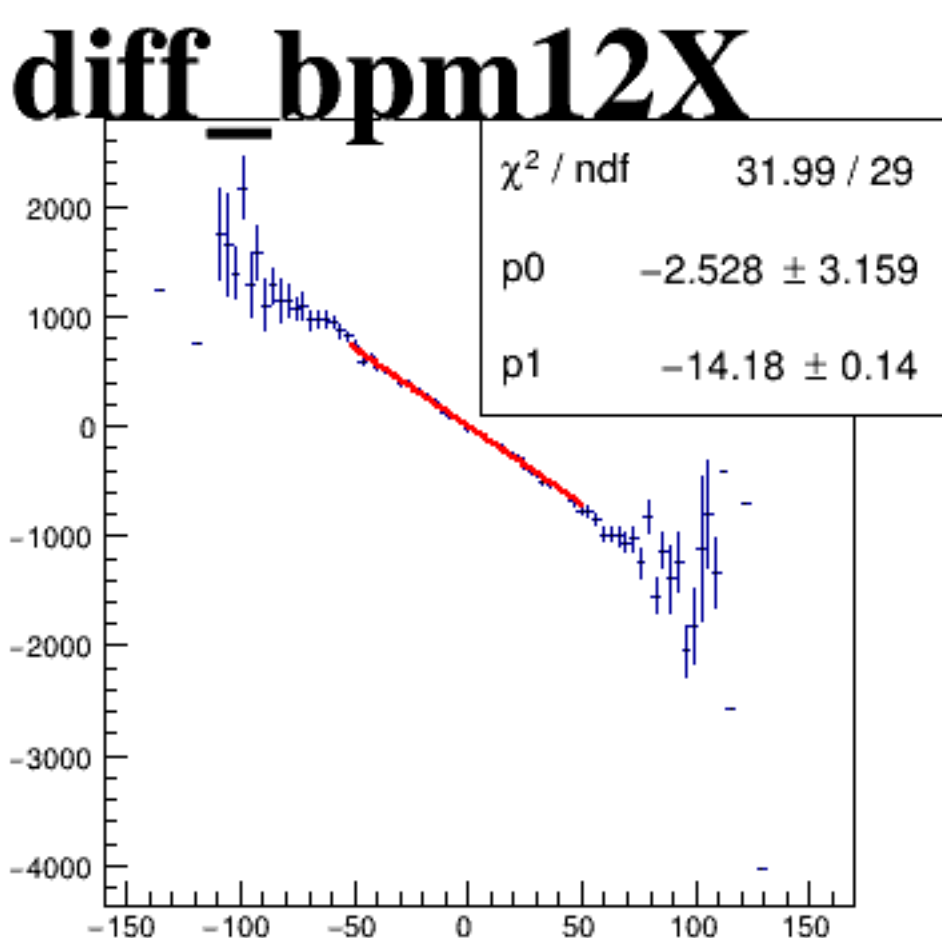
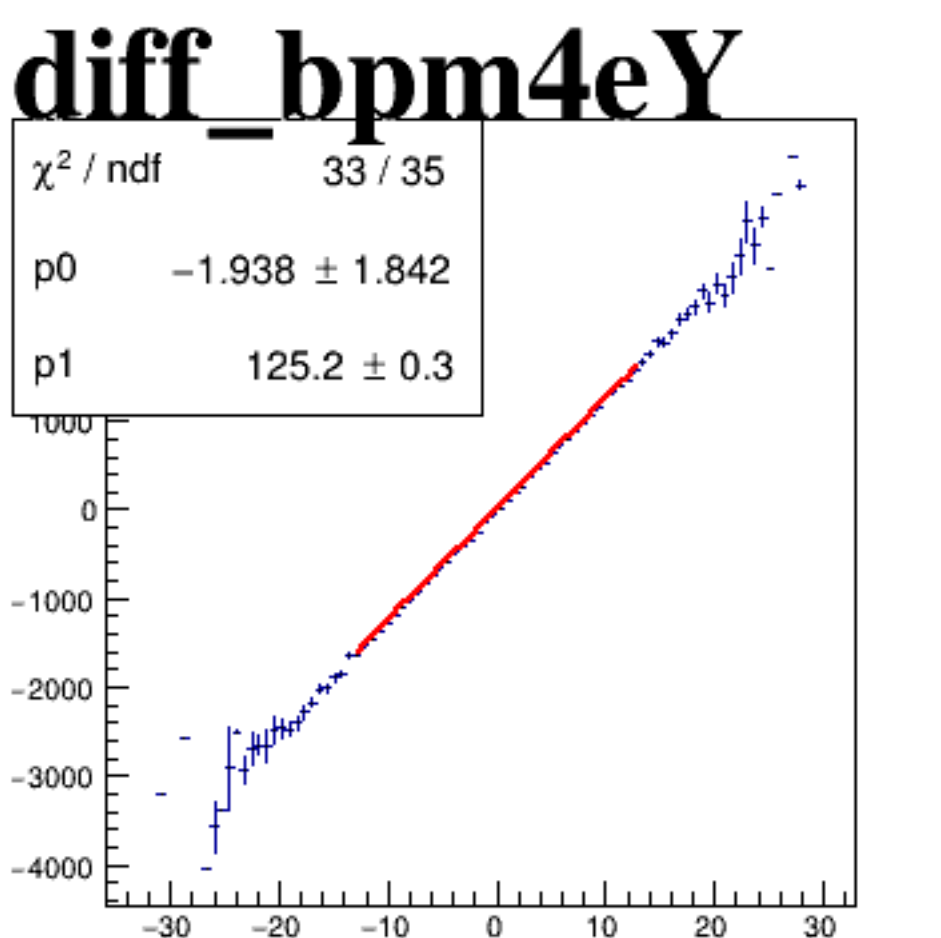
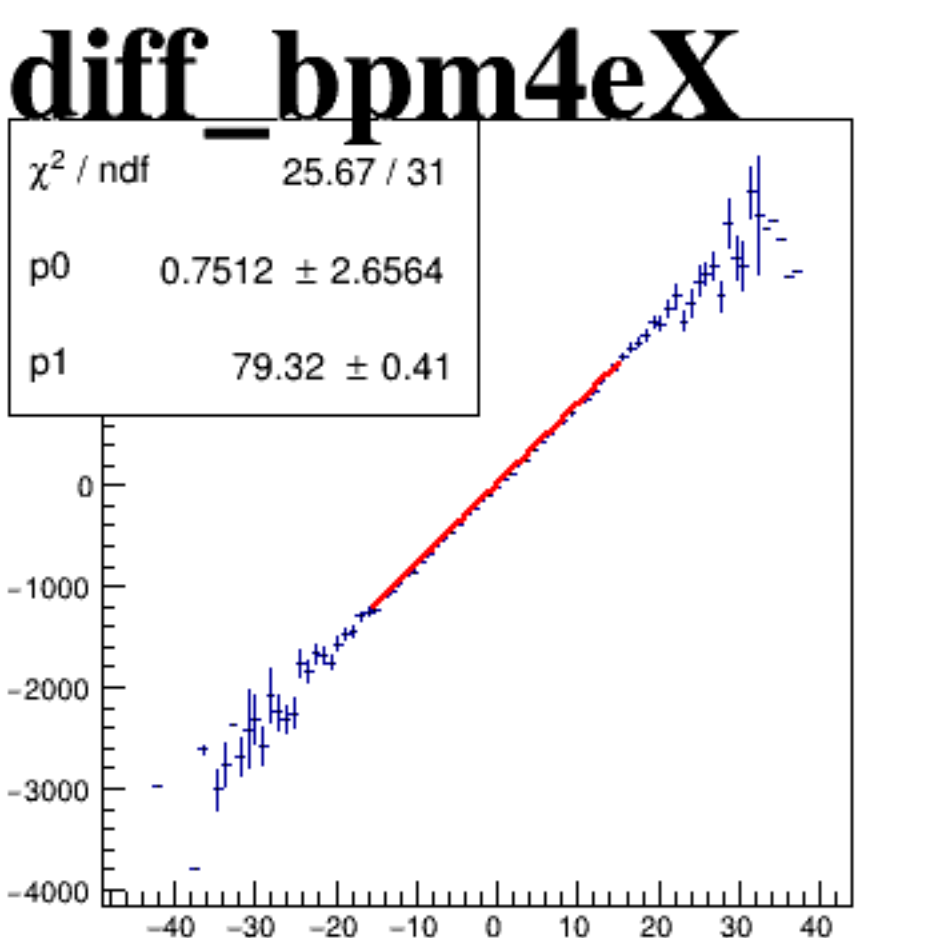
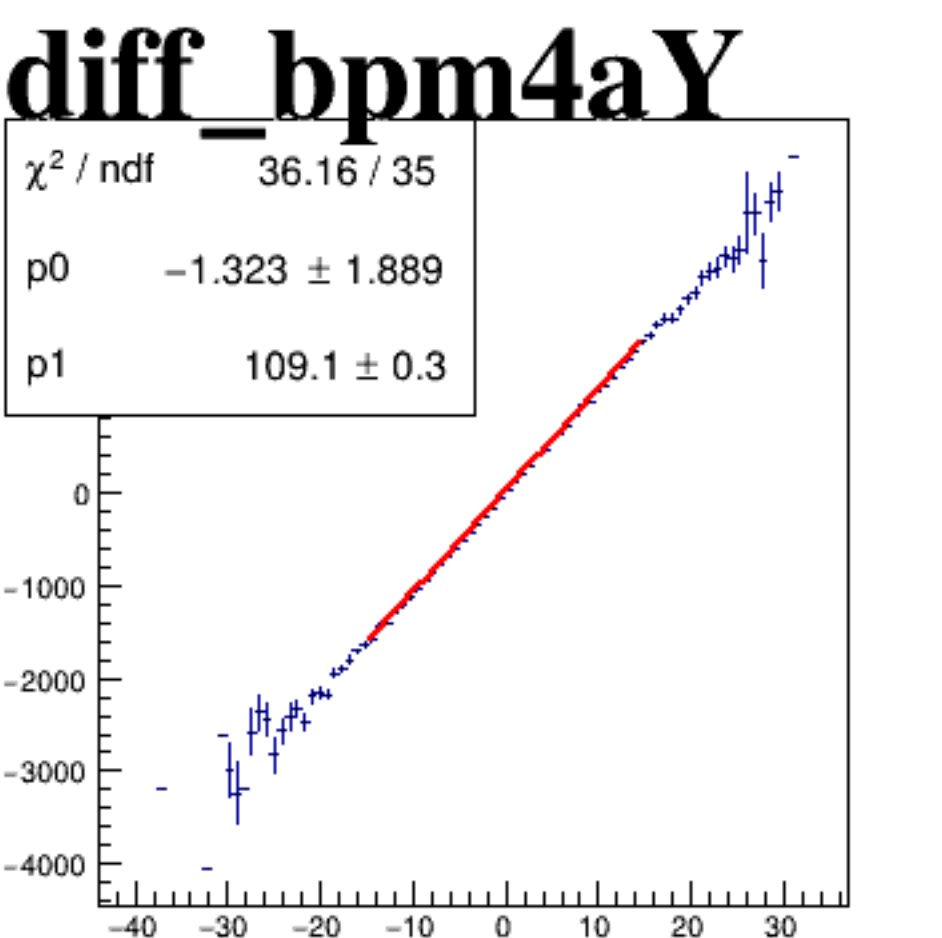
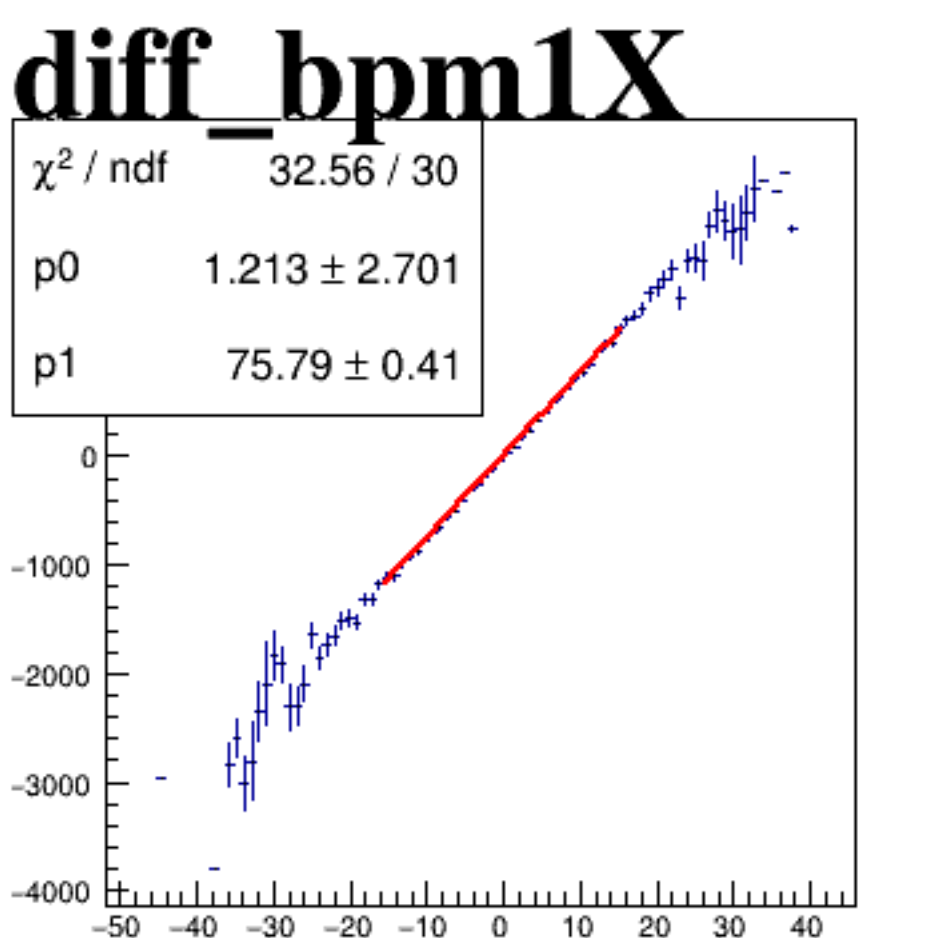
asym_sam2



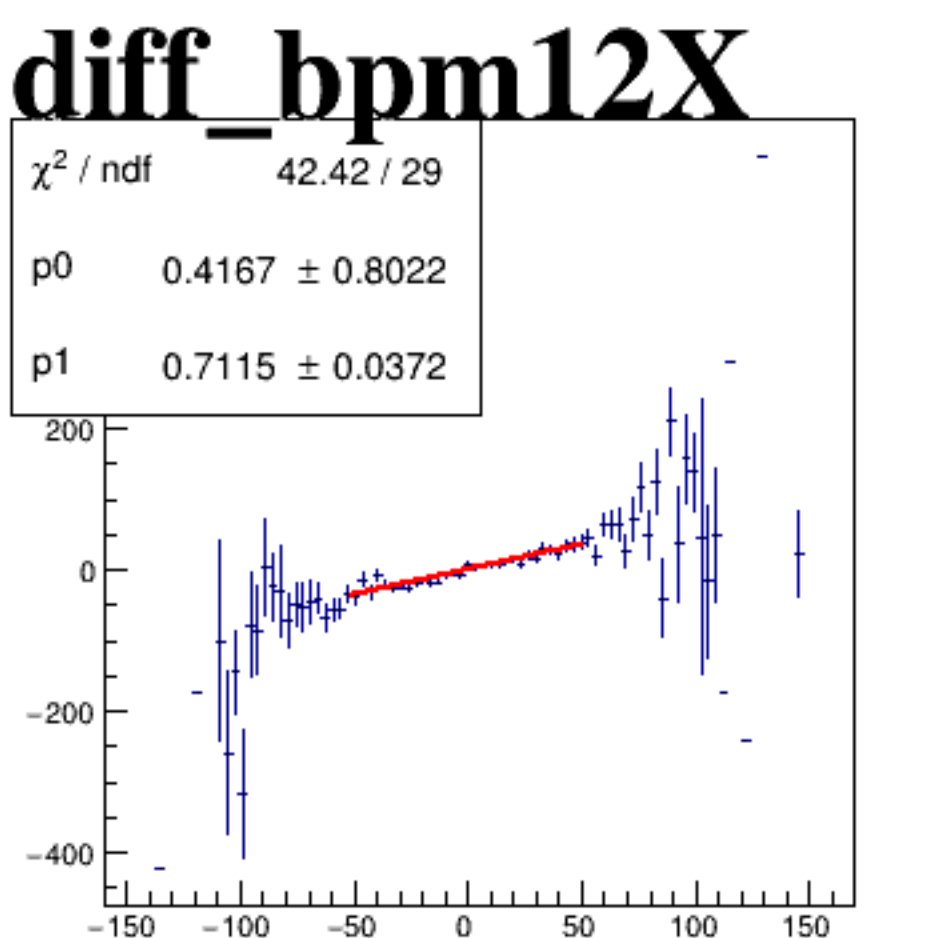
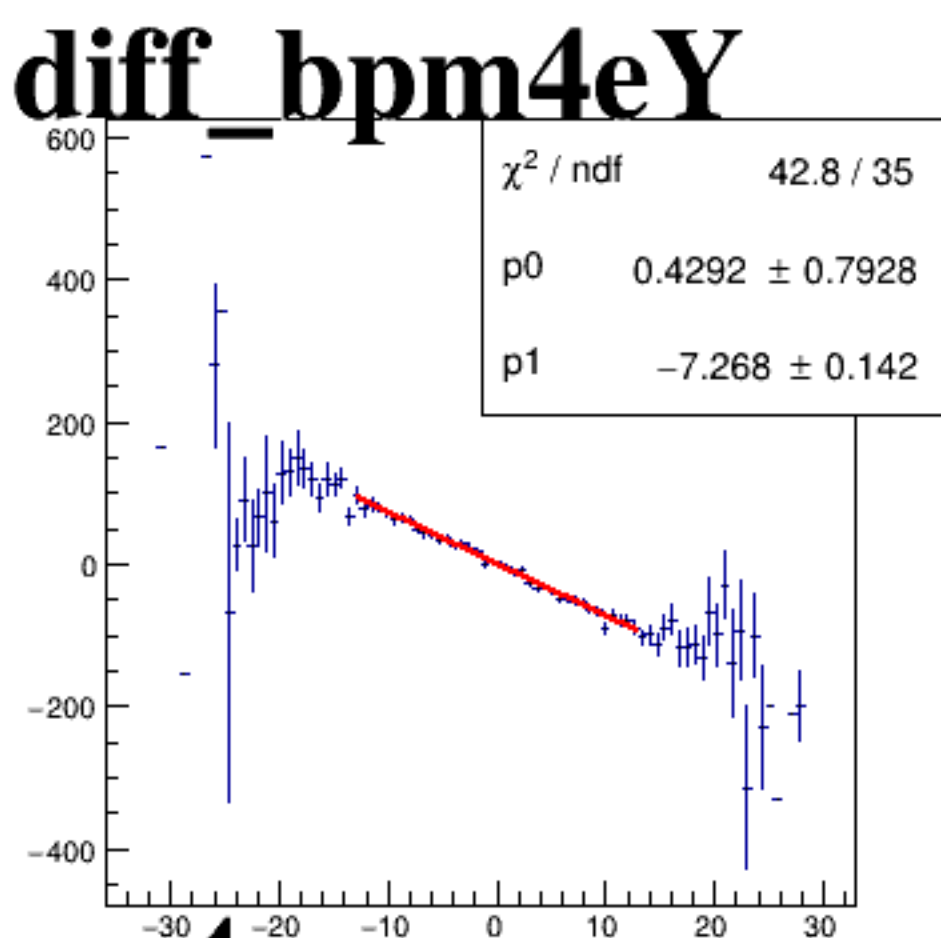
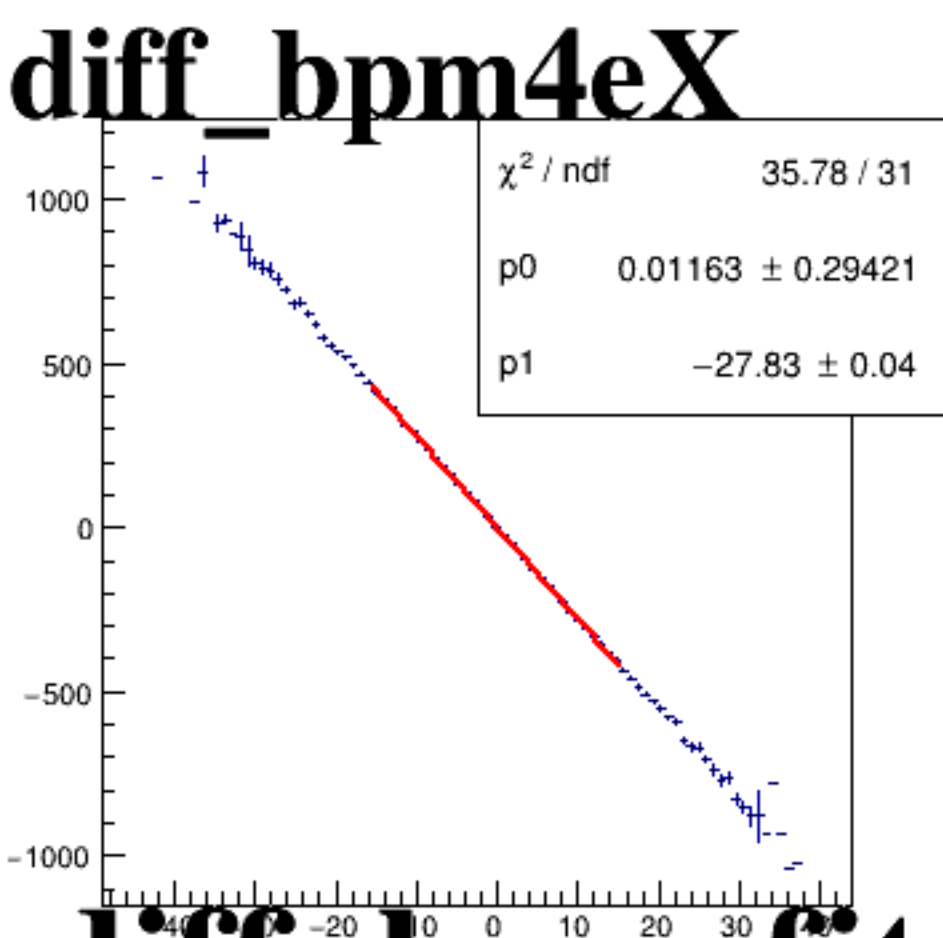
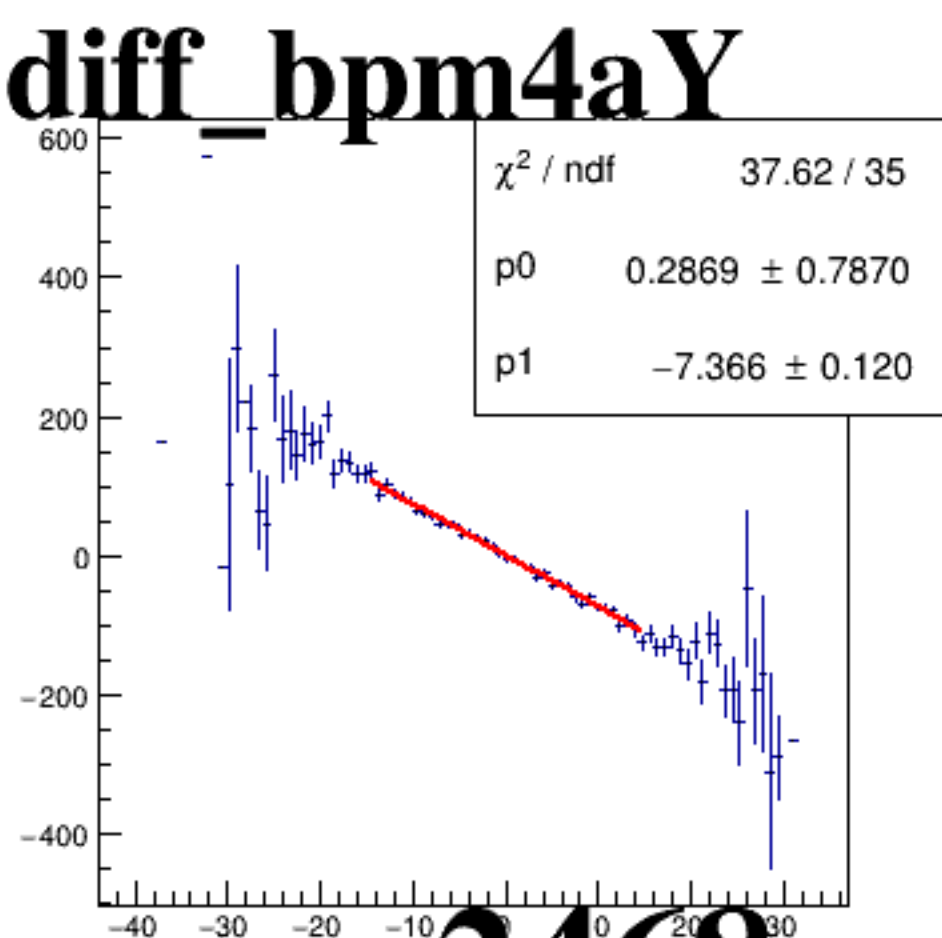
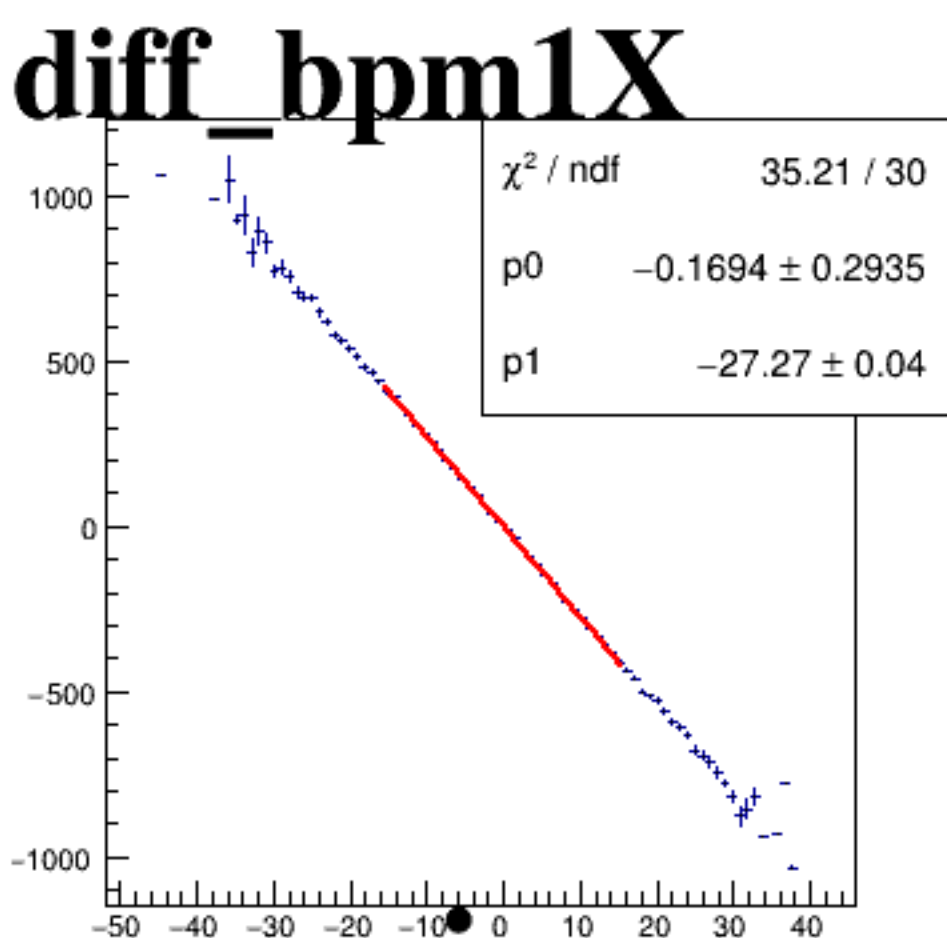
asym_sam4



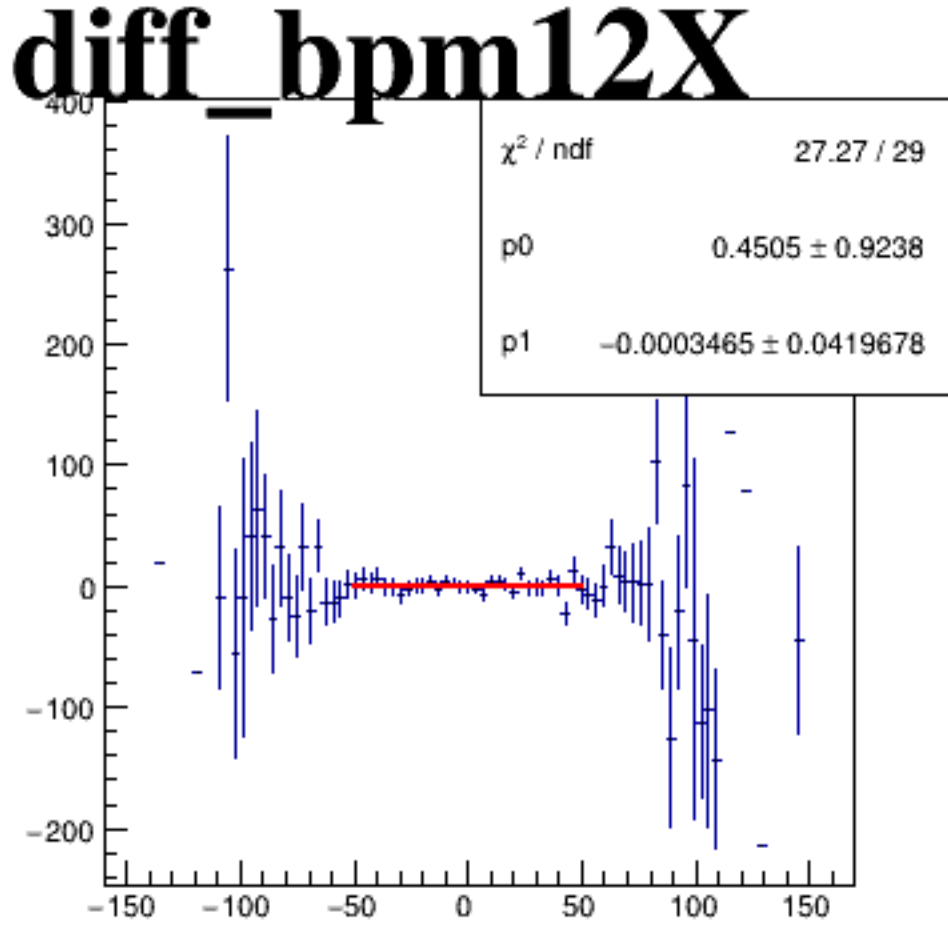
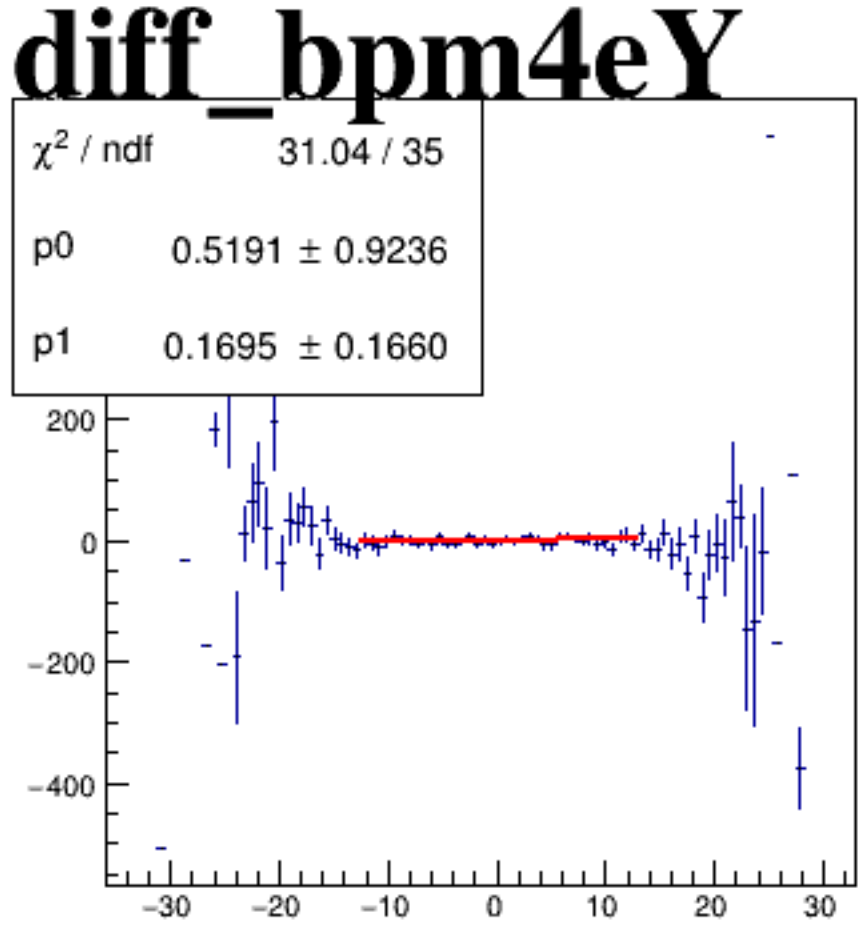
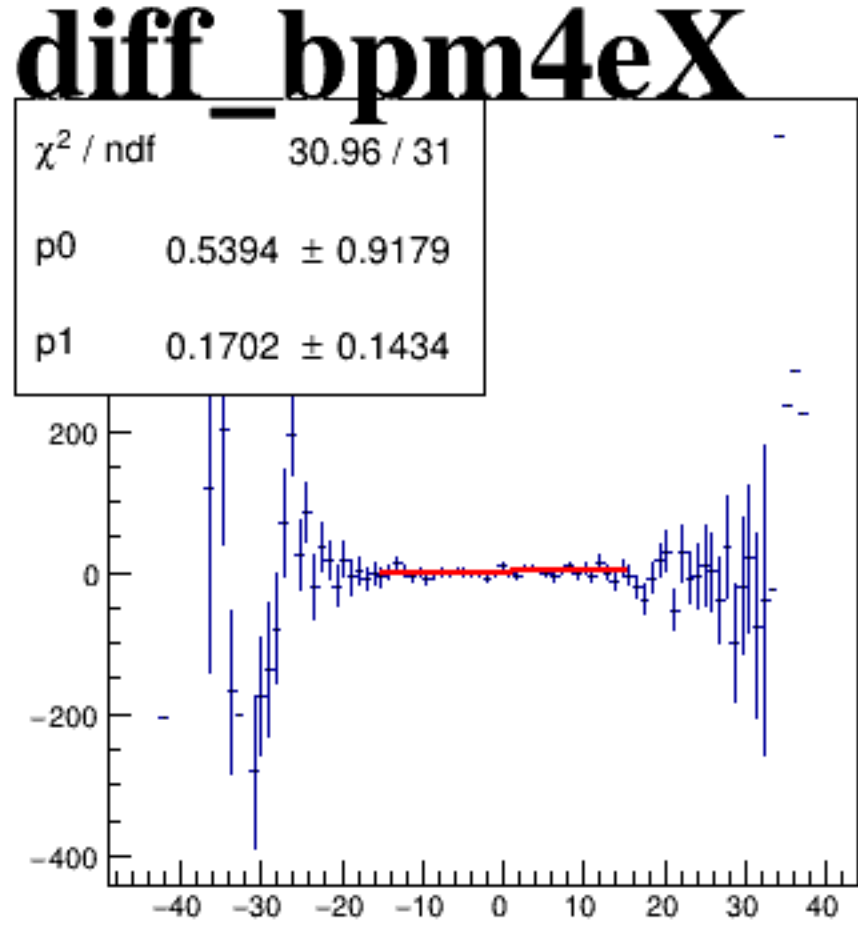
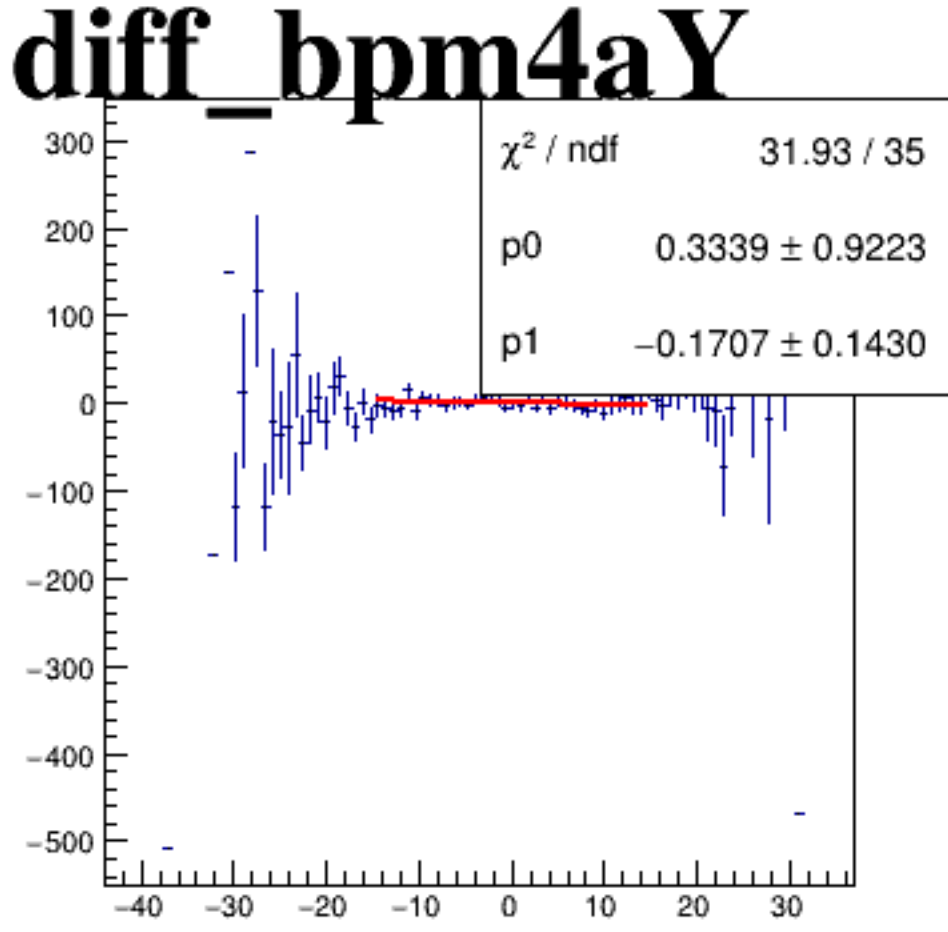
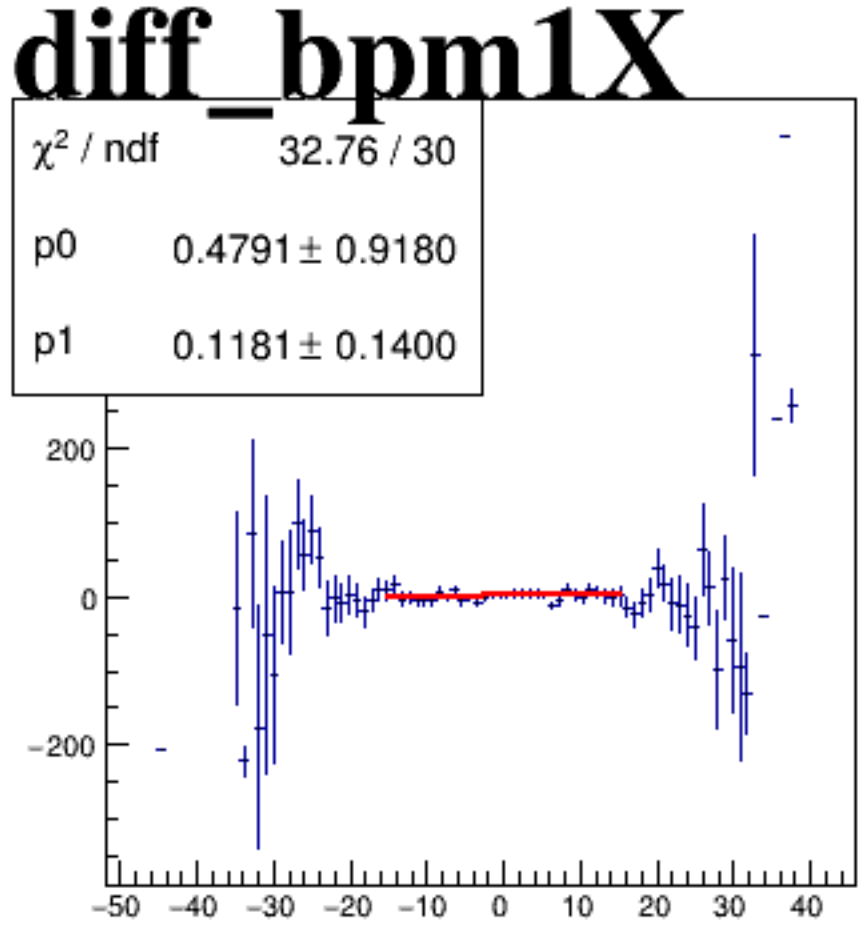
asym_sam6



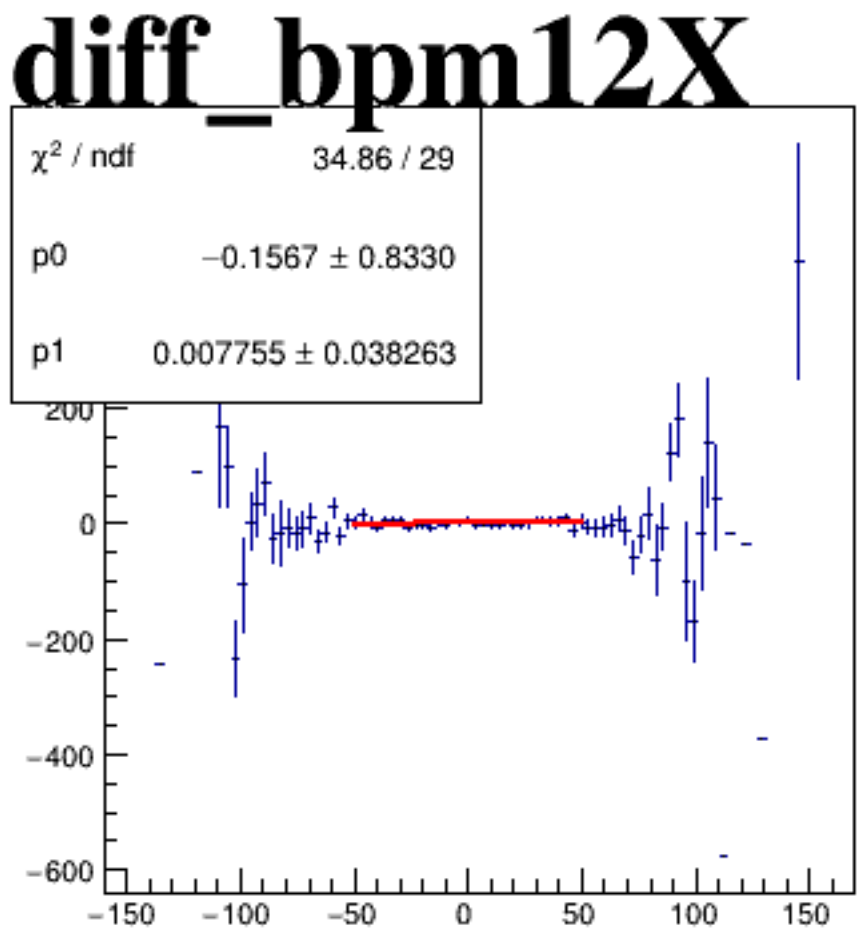
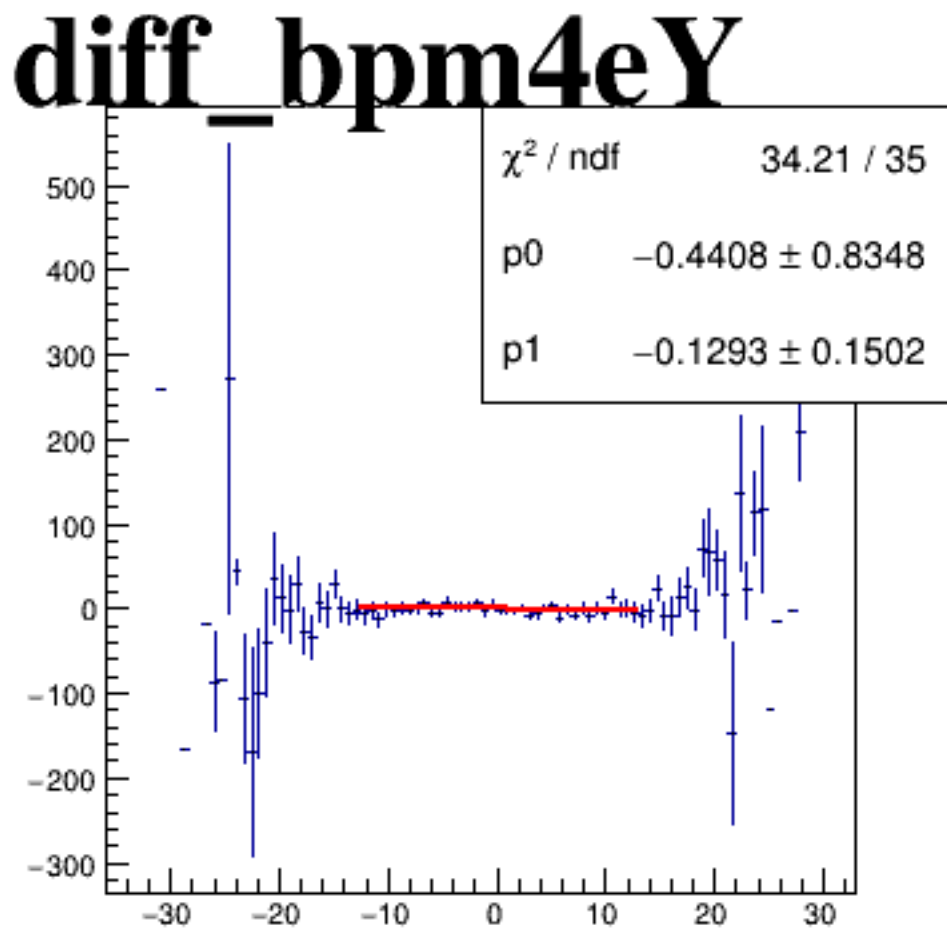
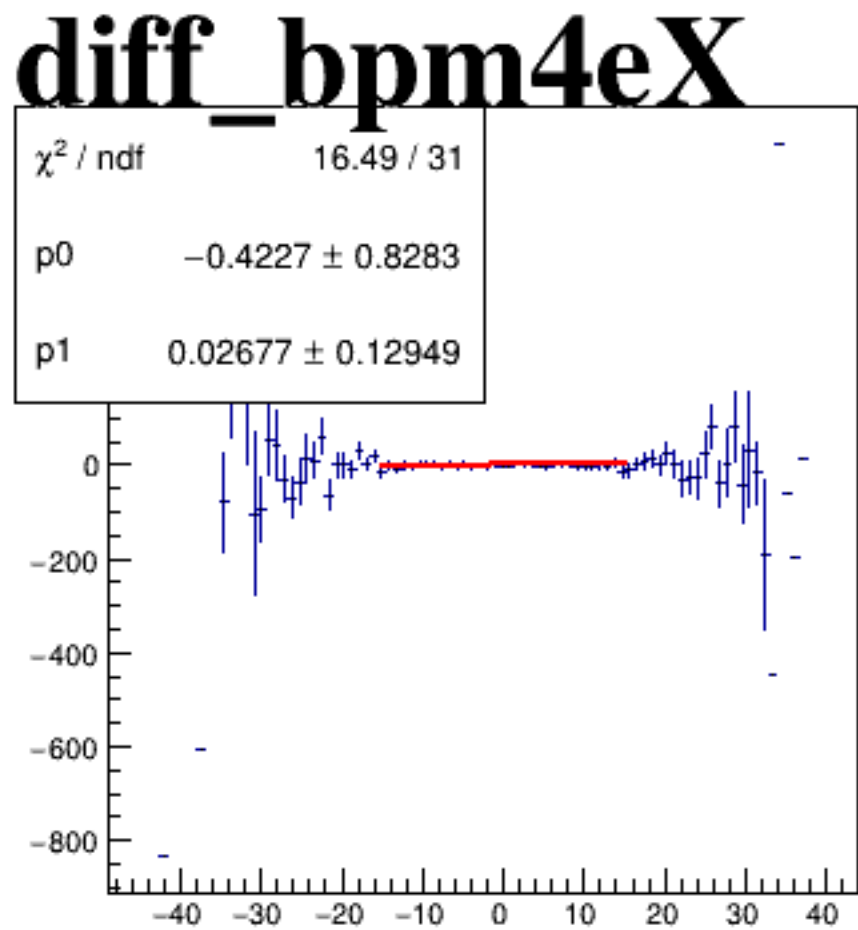
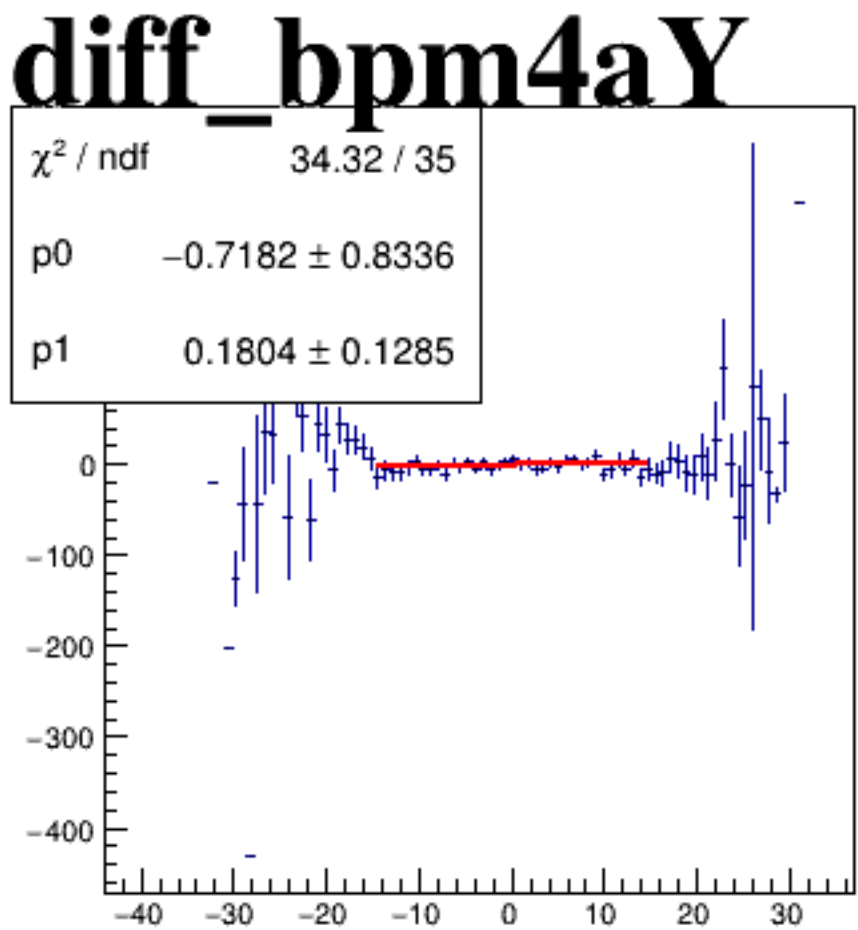
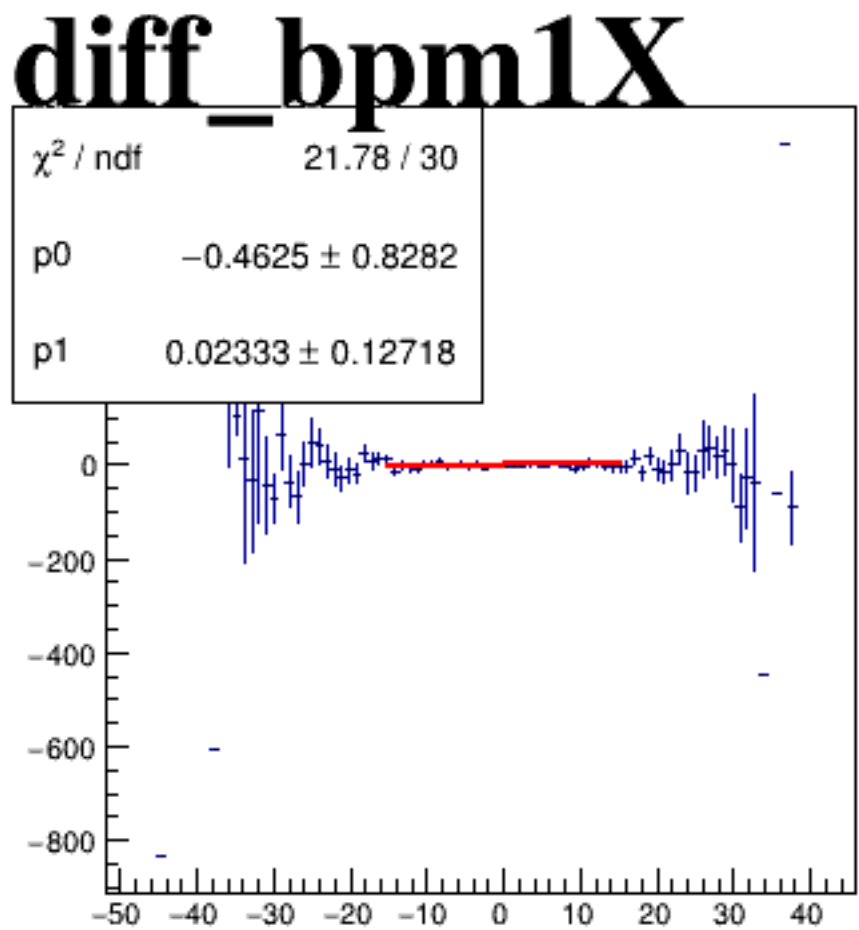
asym_sam8



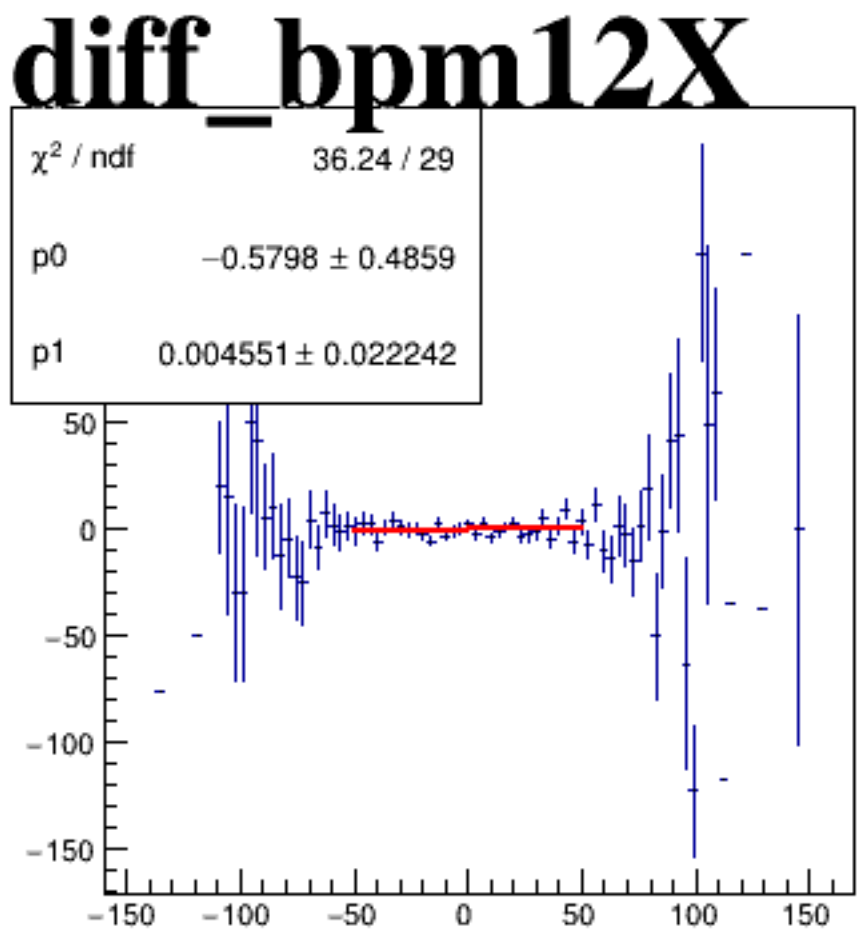
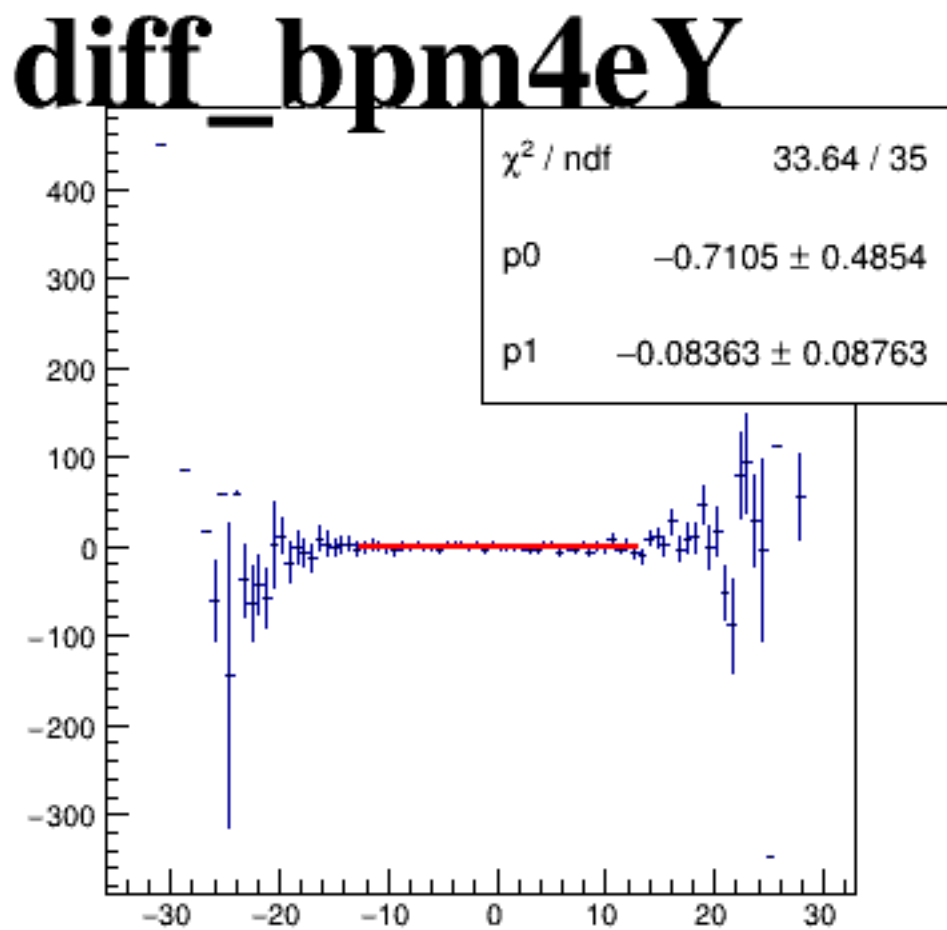
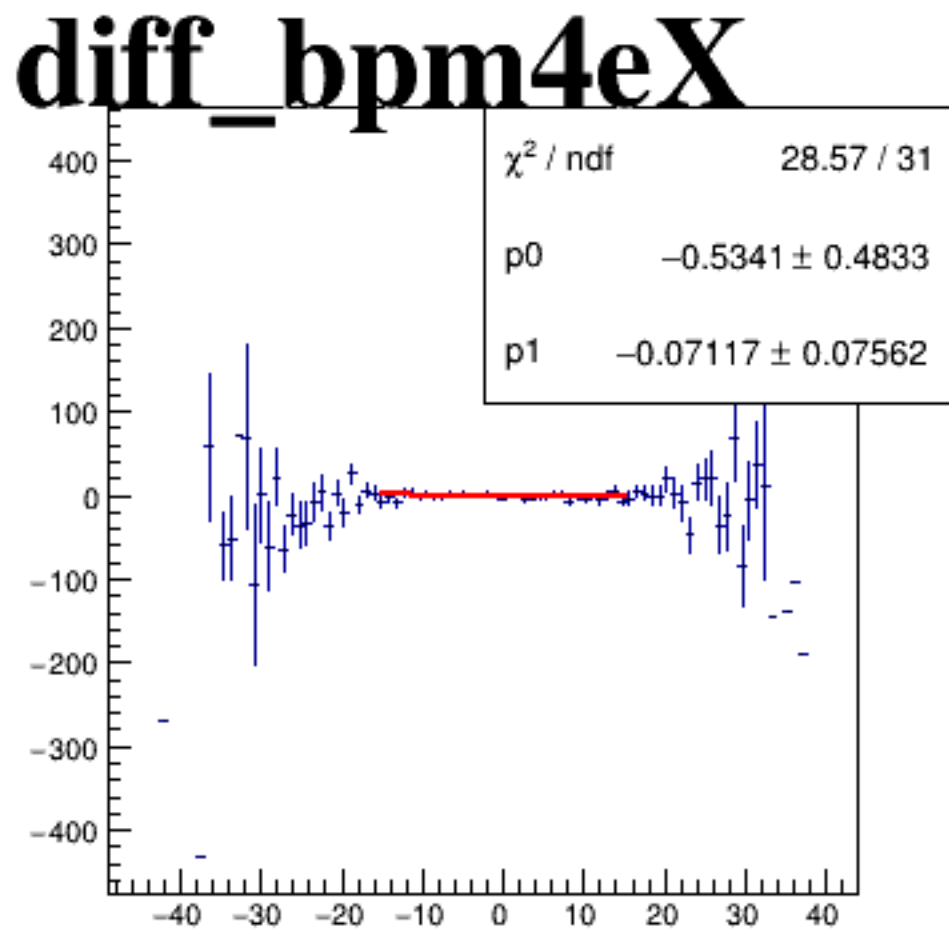
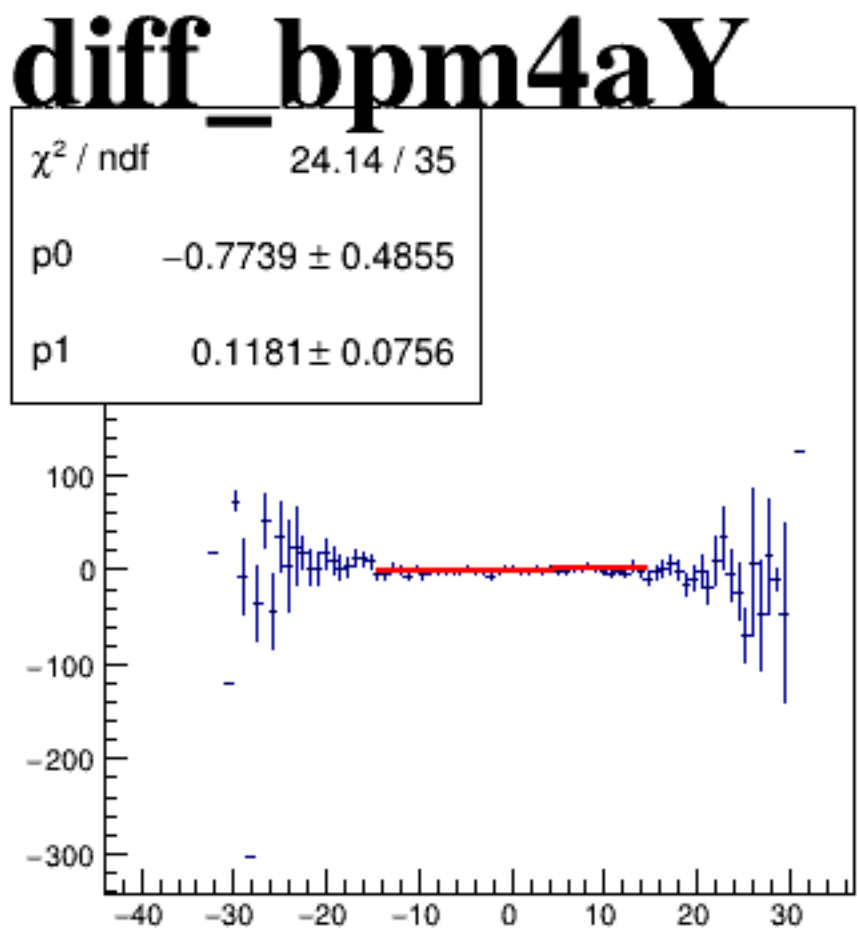
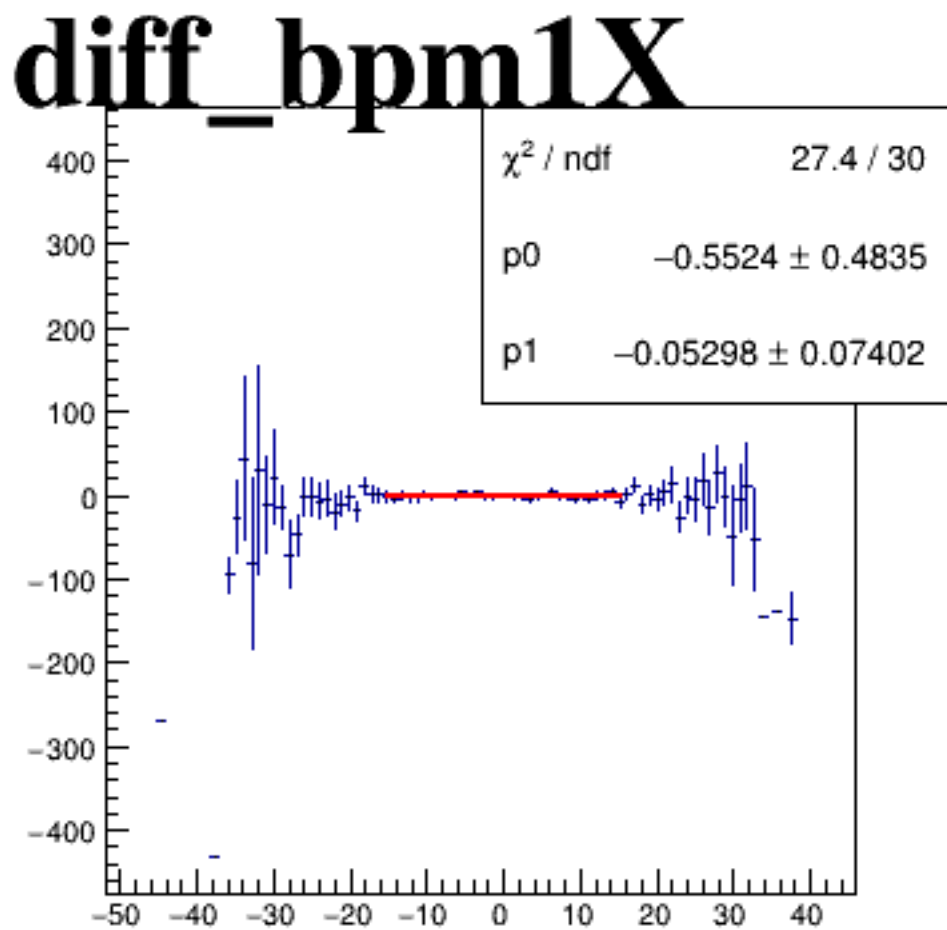
reg_asym_sam2



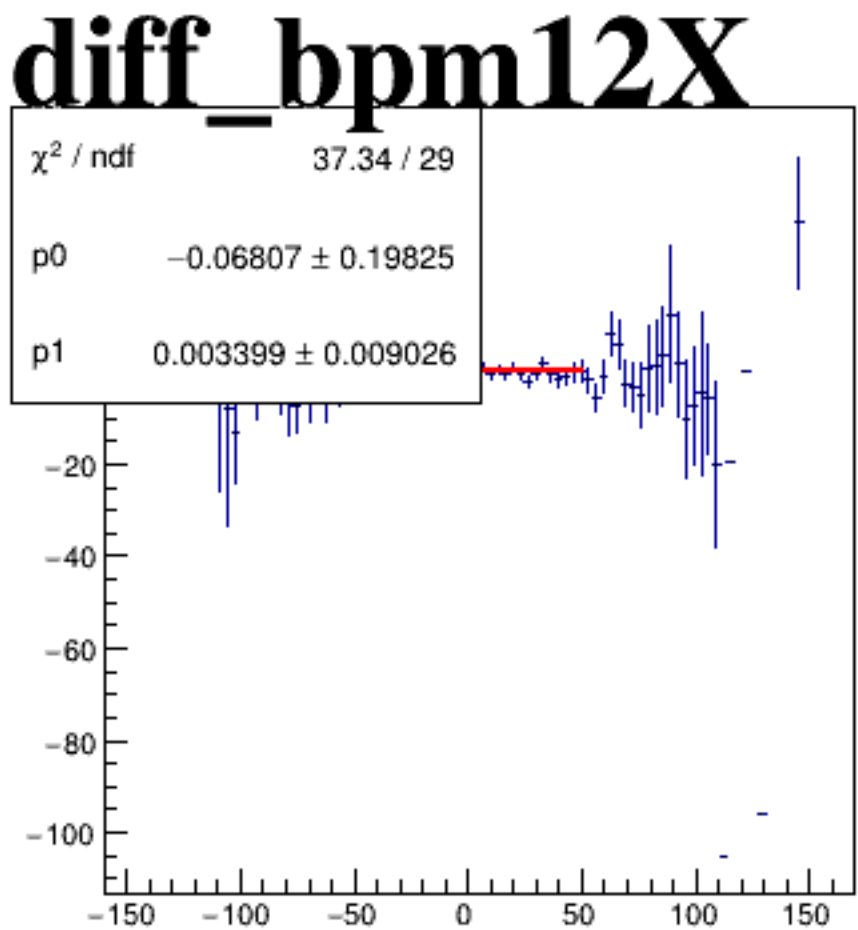
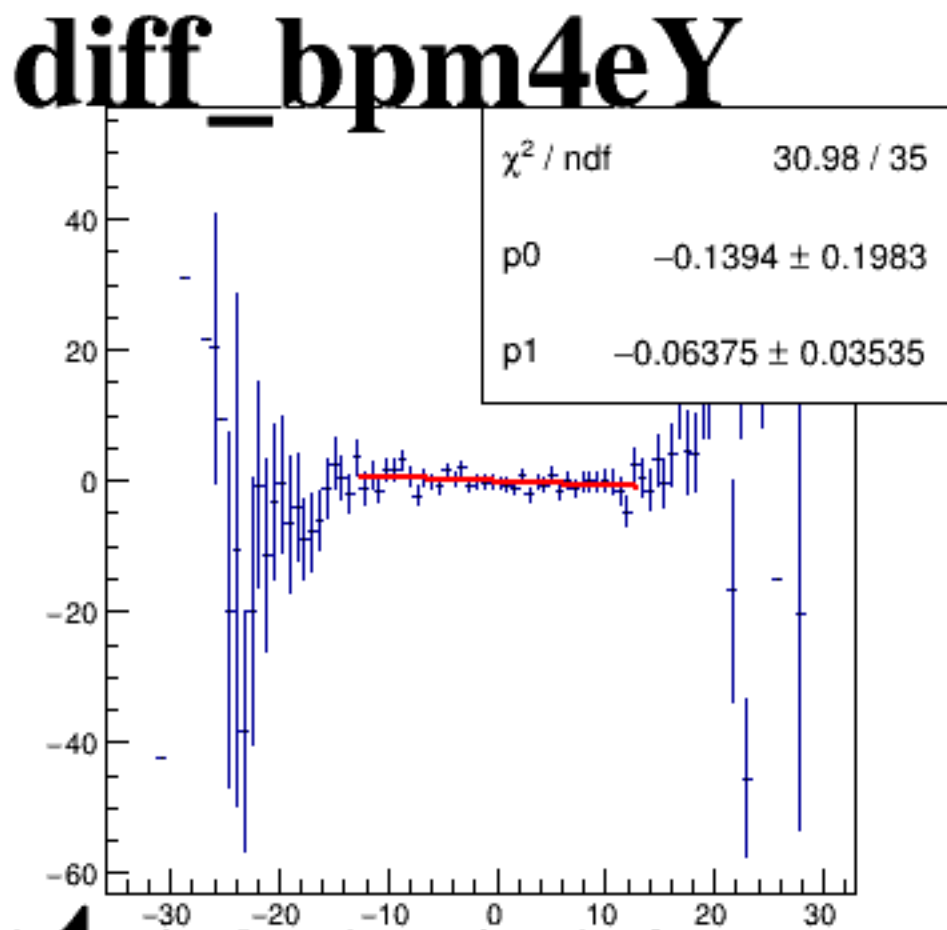
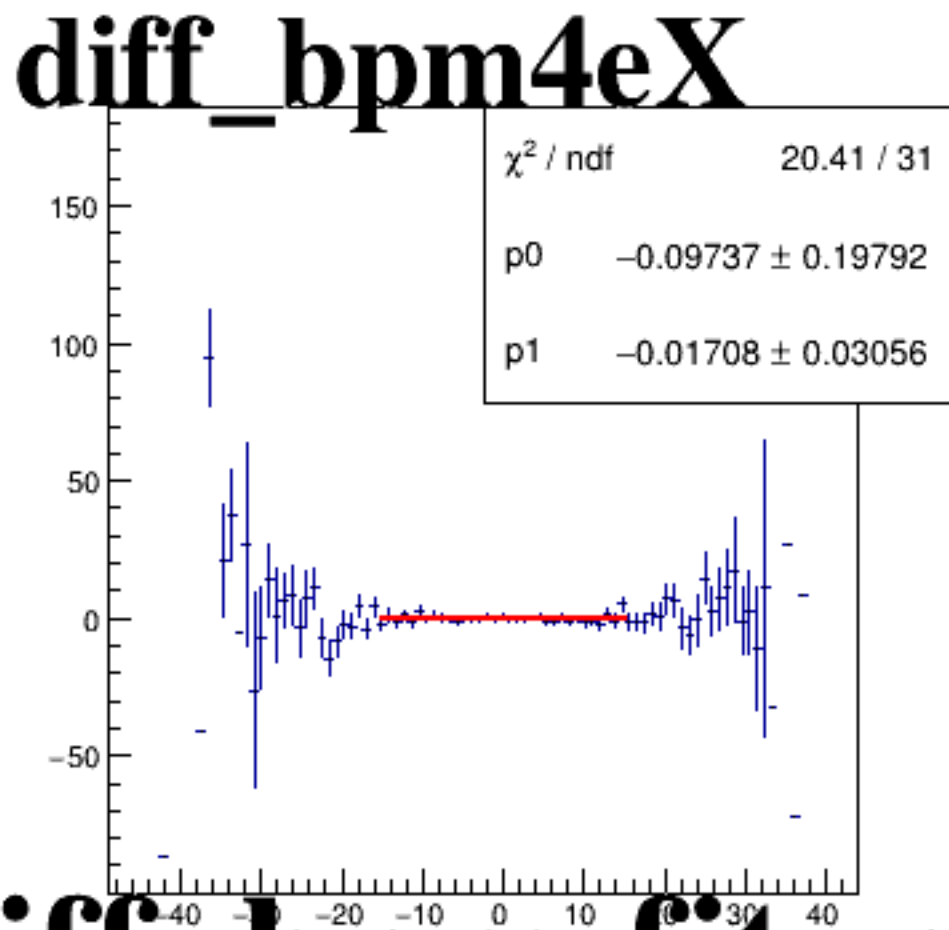
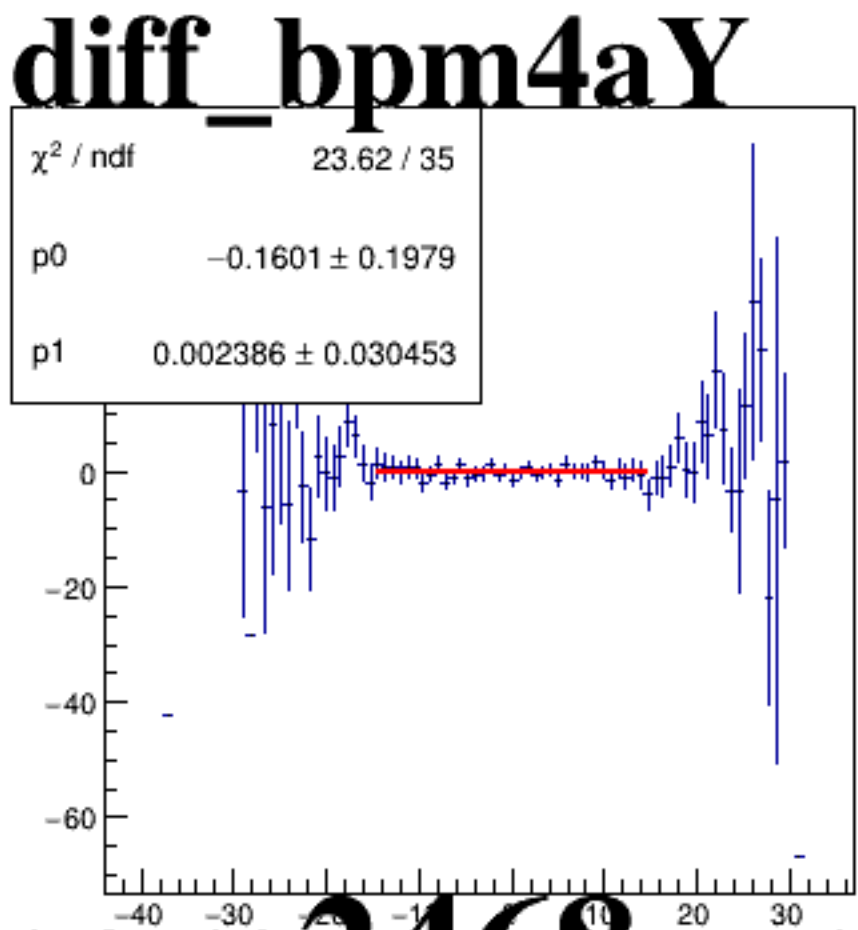
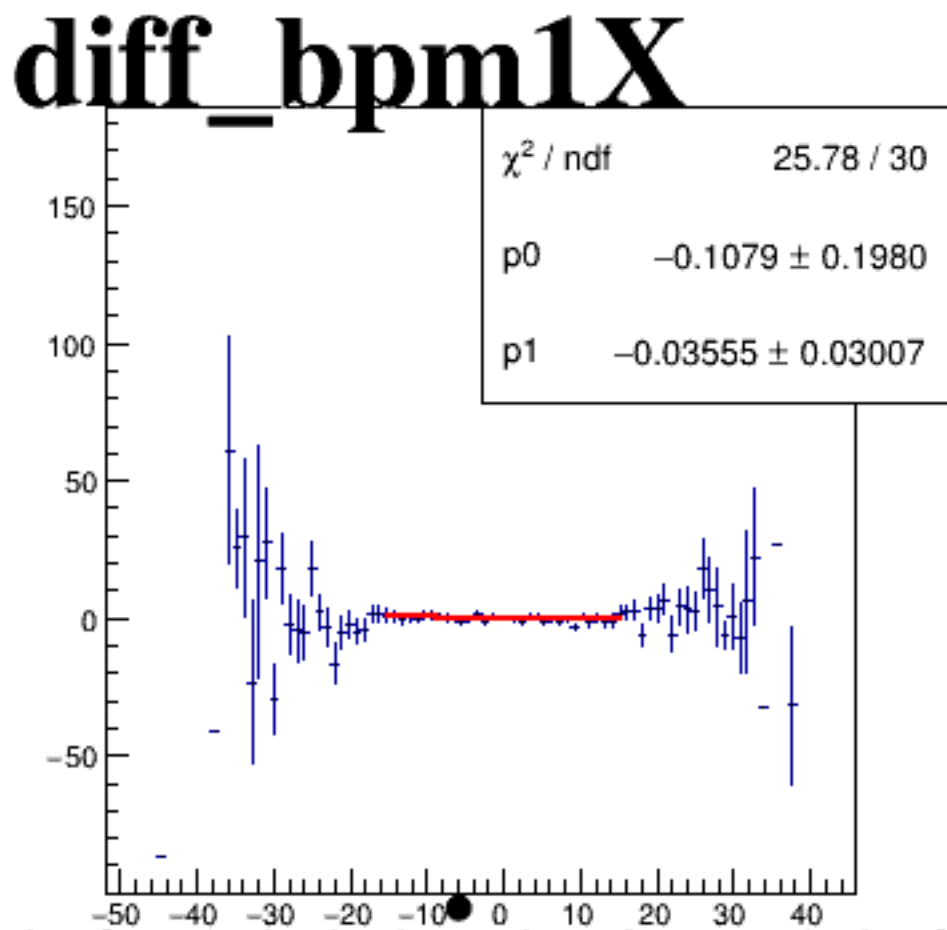
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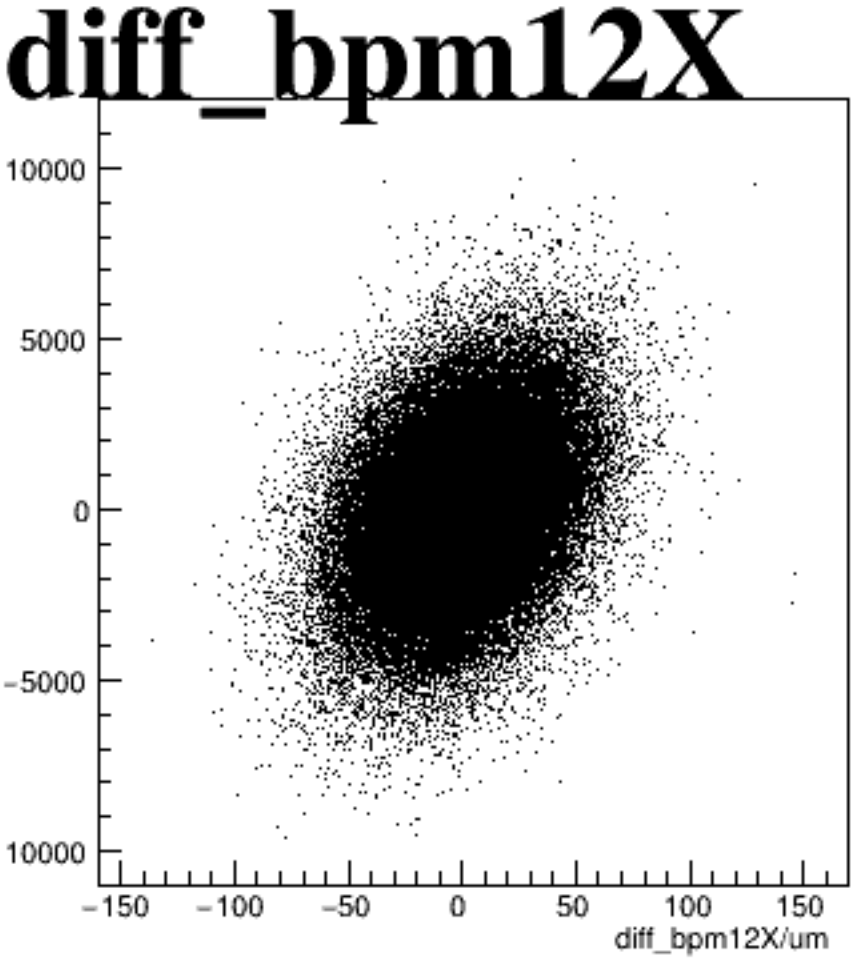
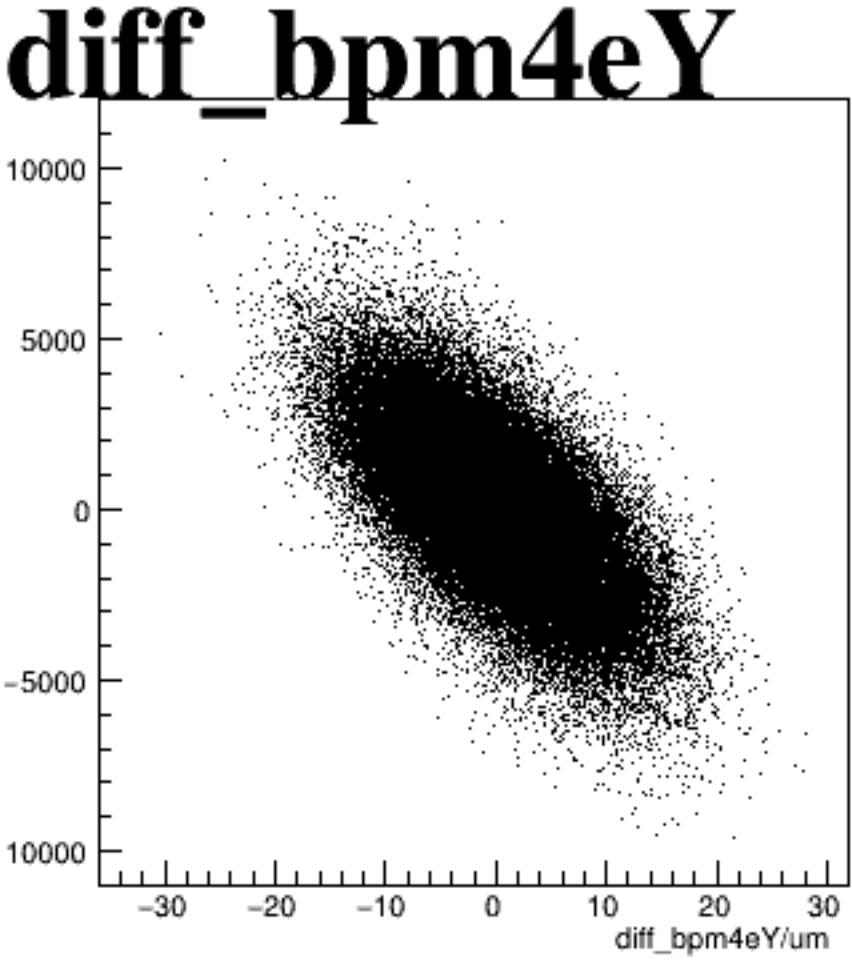
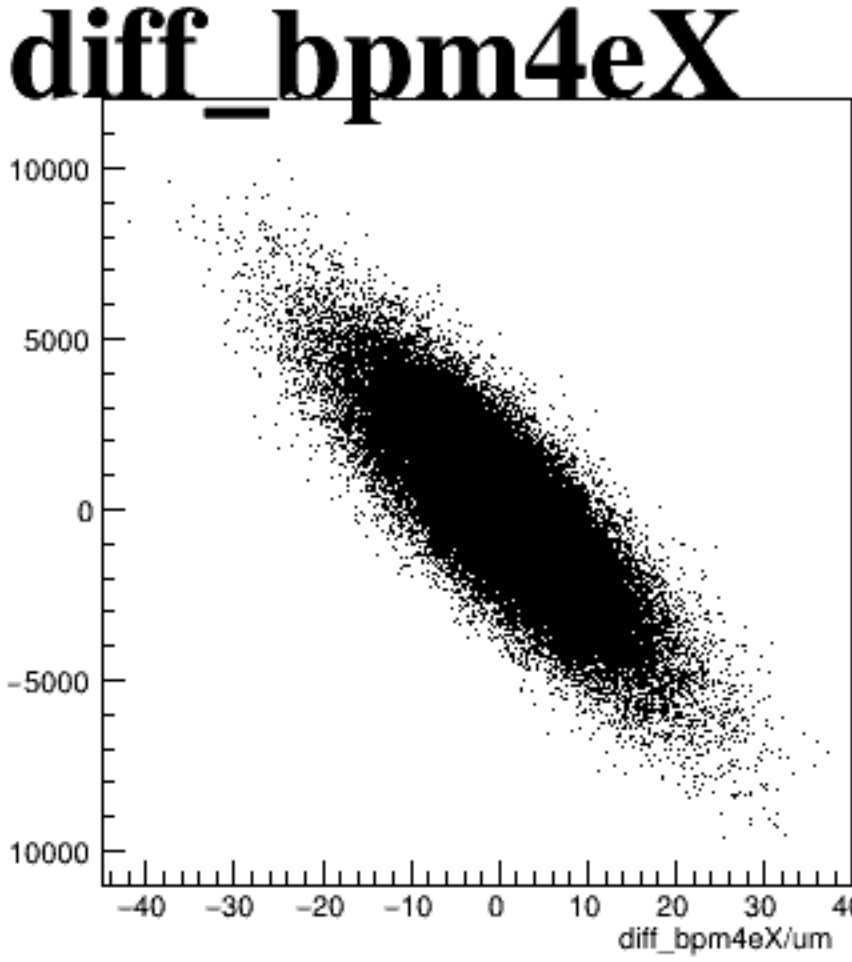
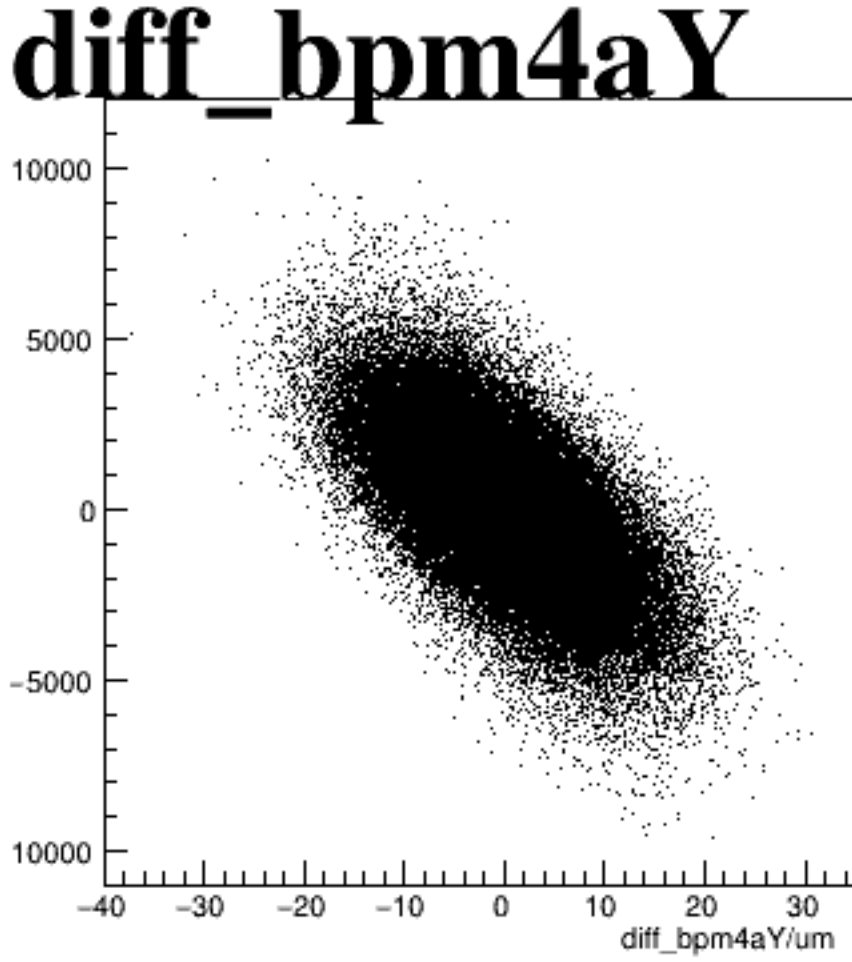
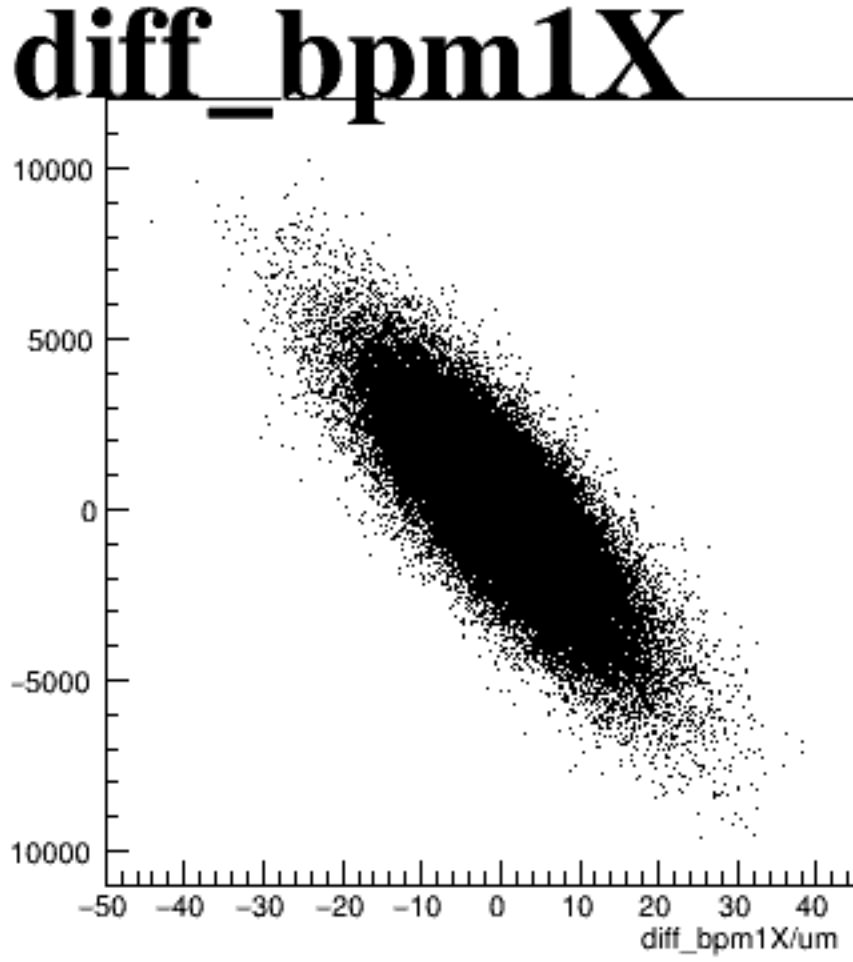
reg_asym_sam6



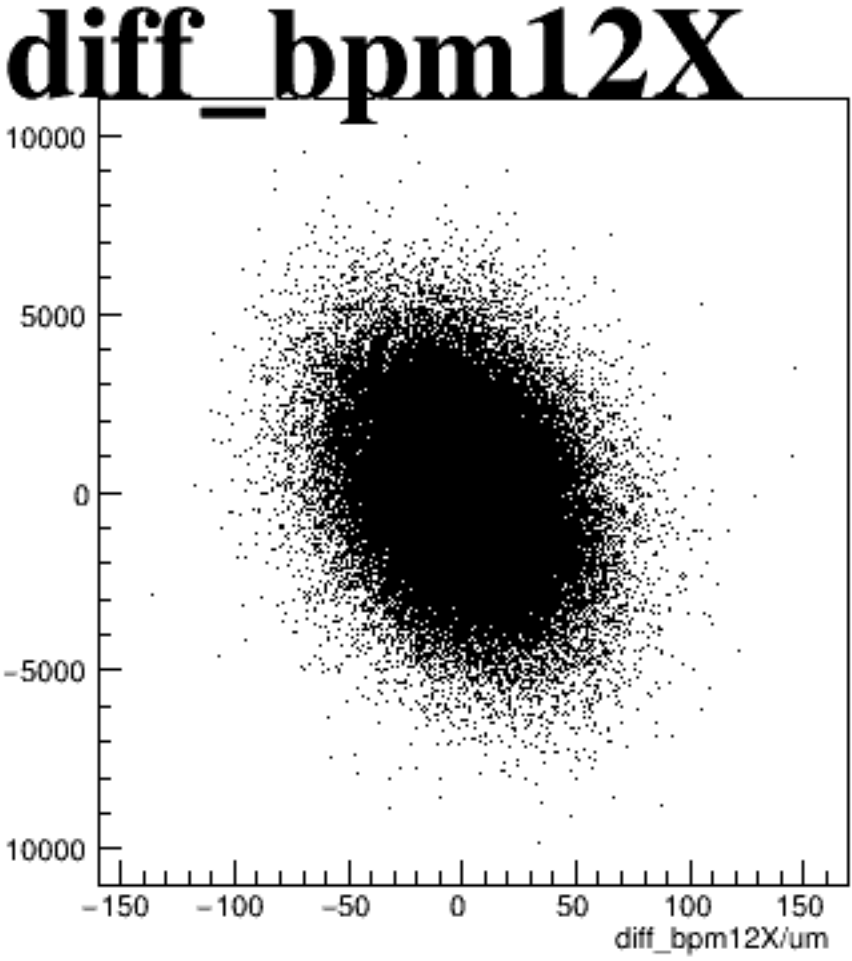
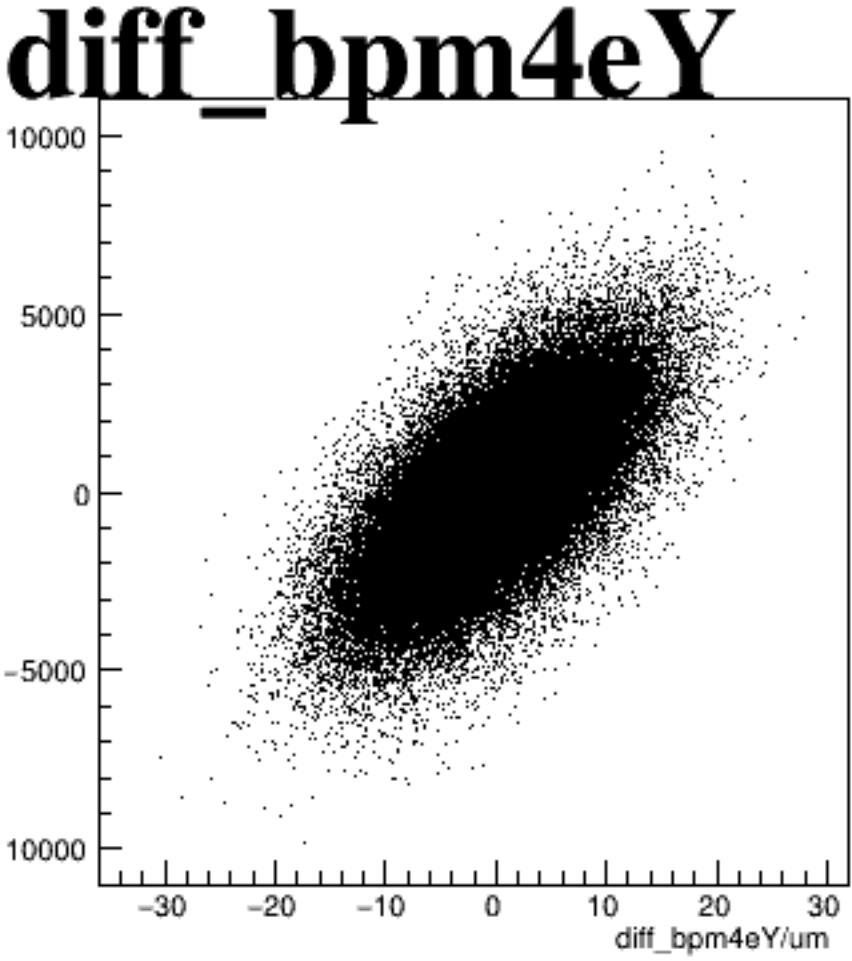
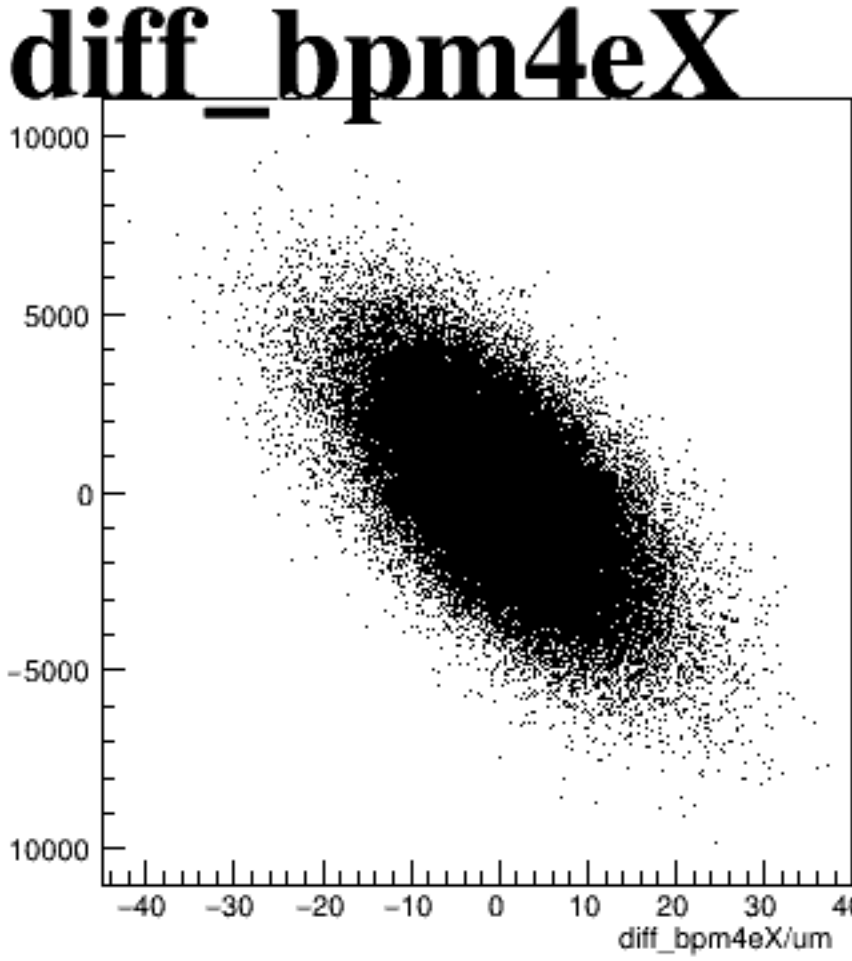
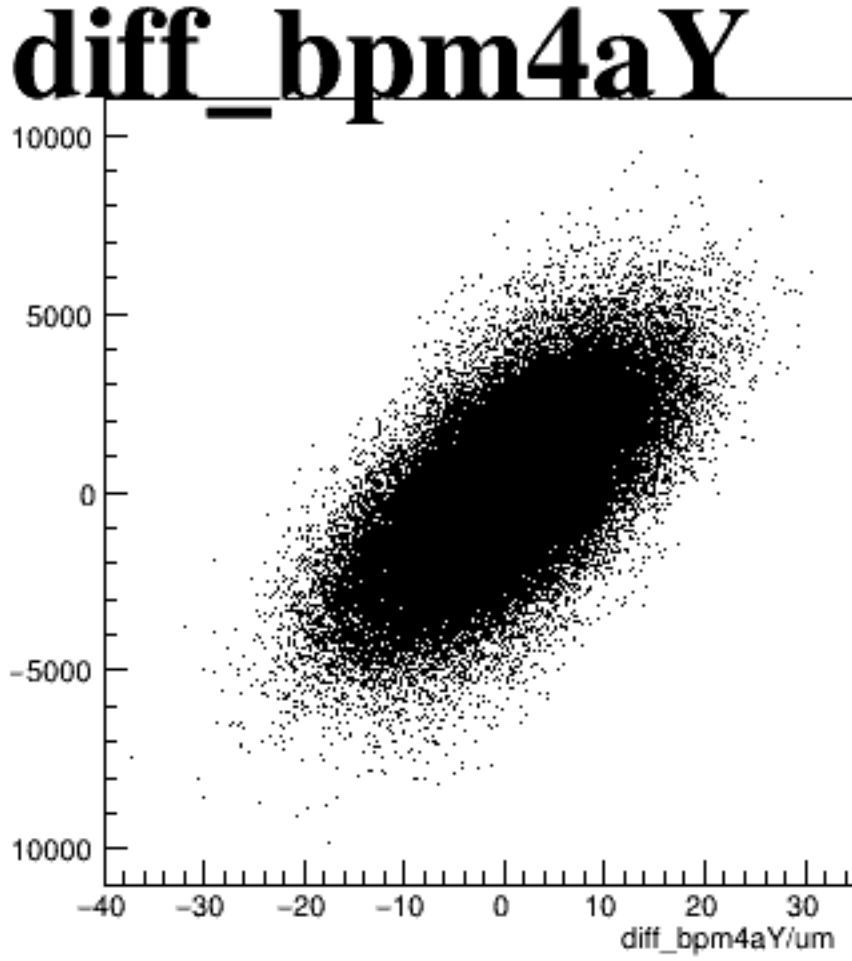
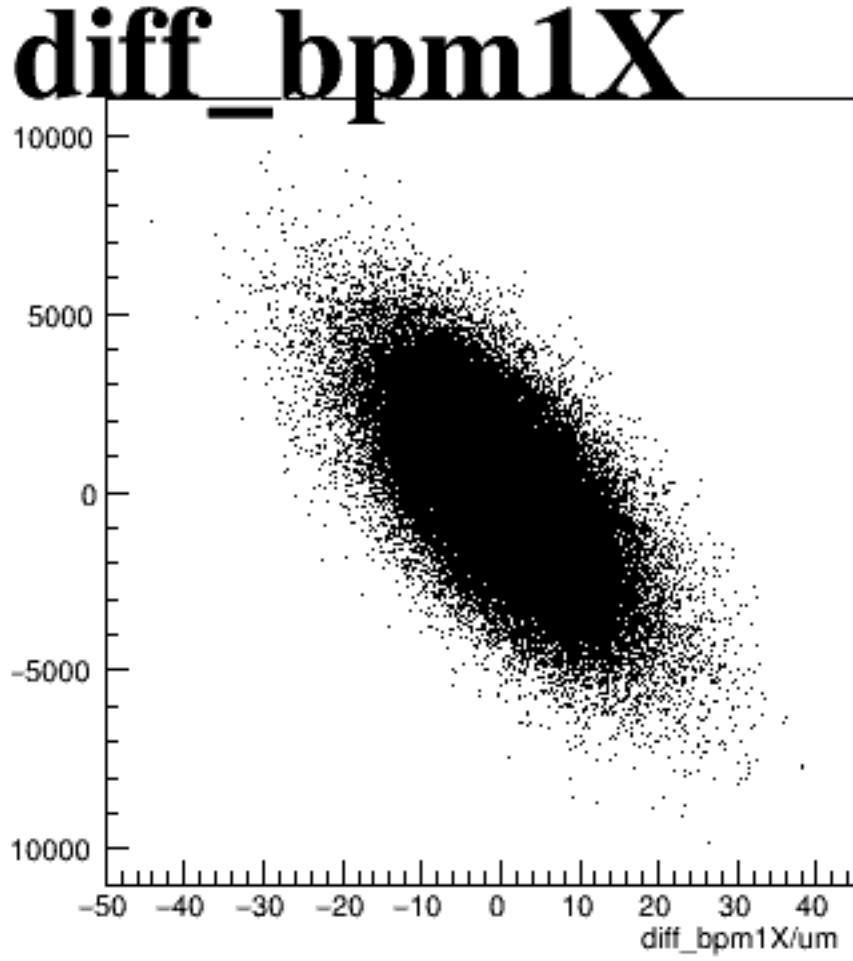
reg_asym_sam8



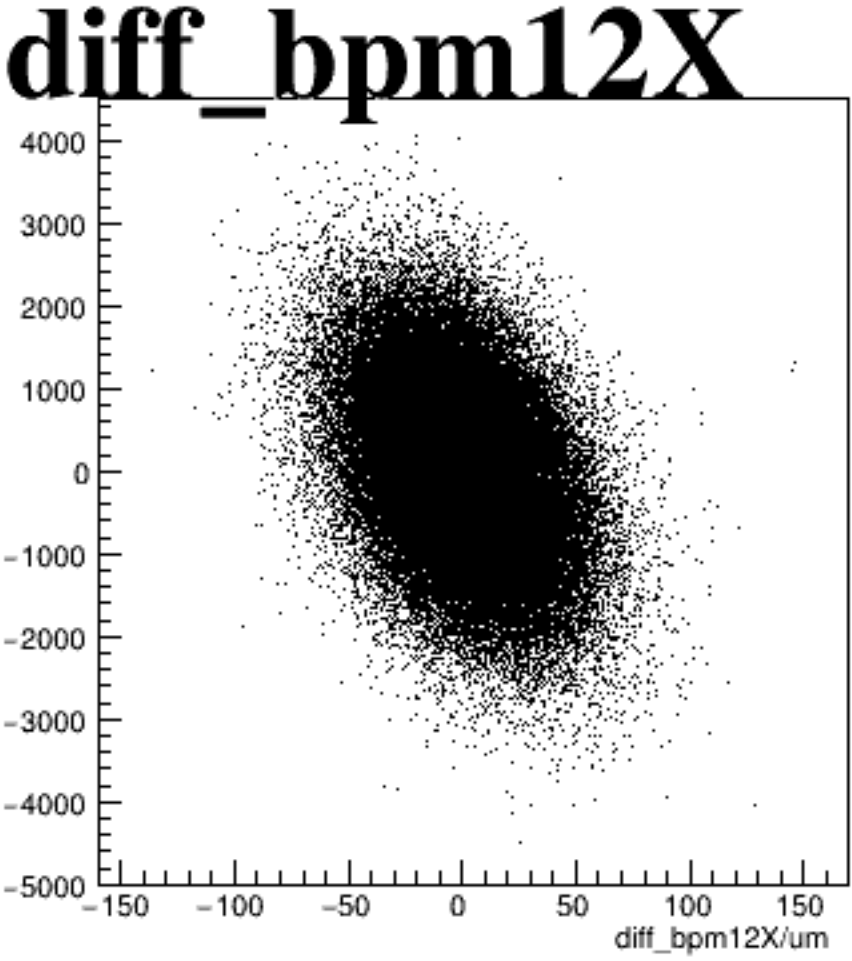
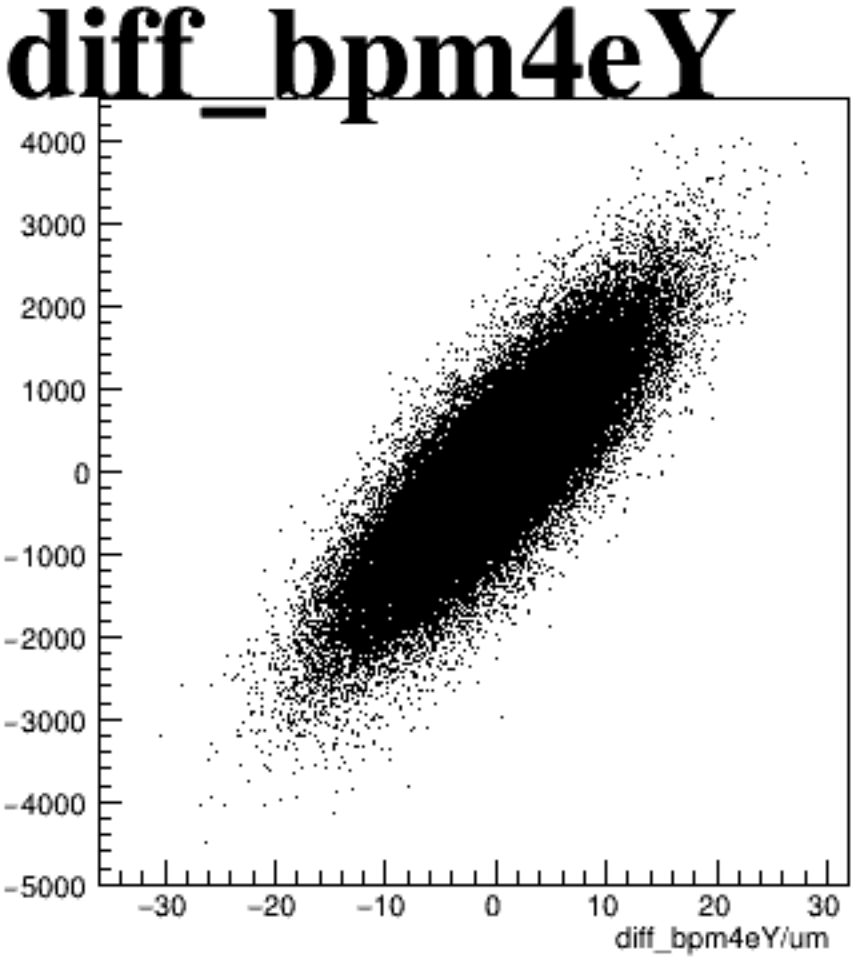
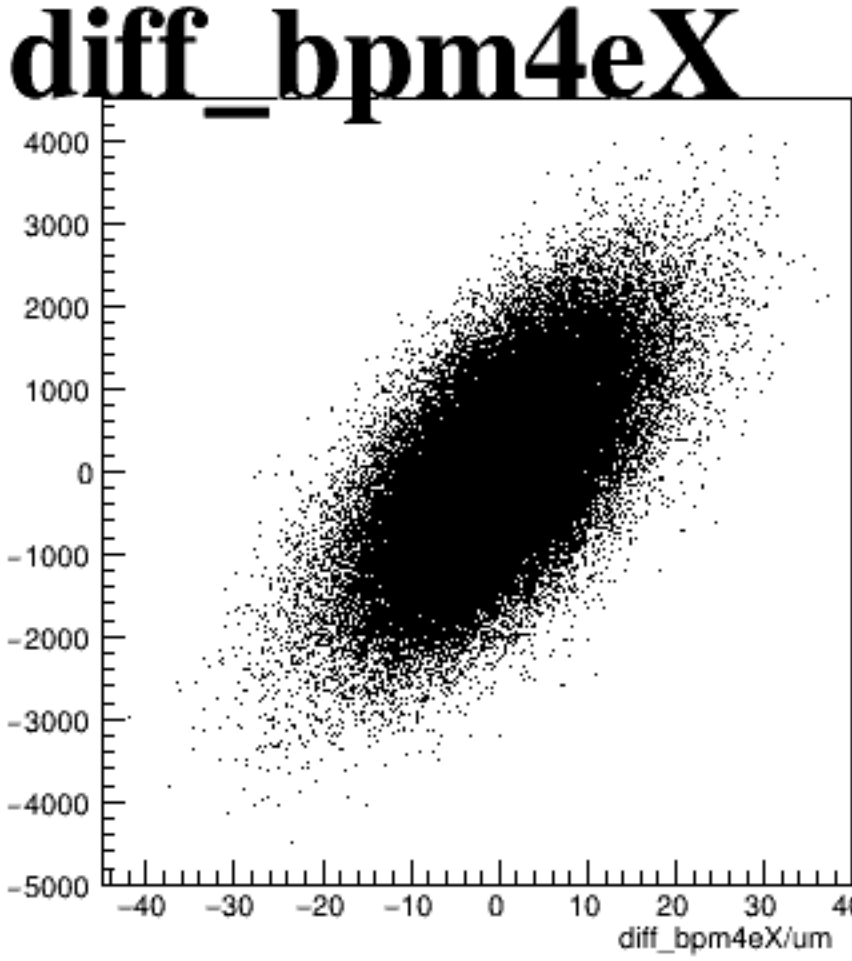
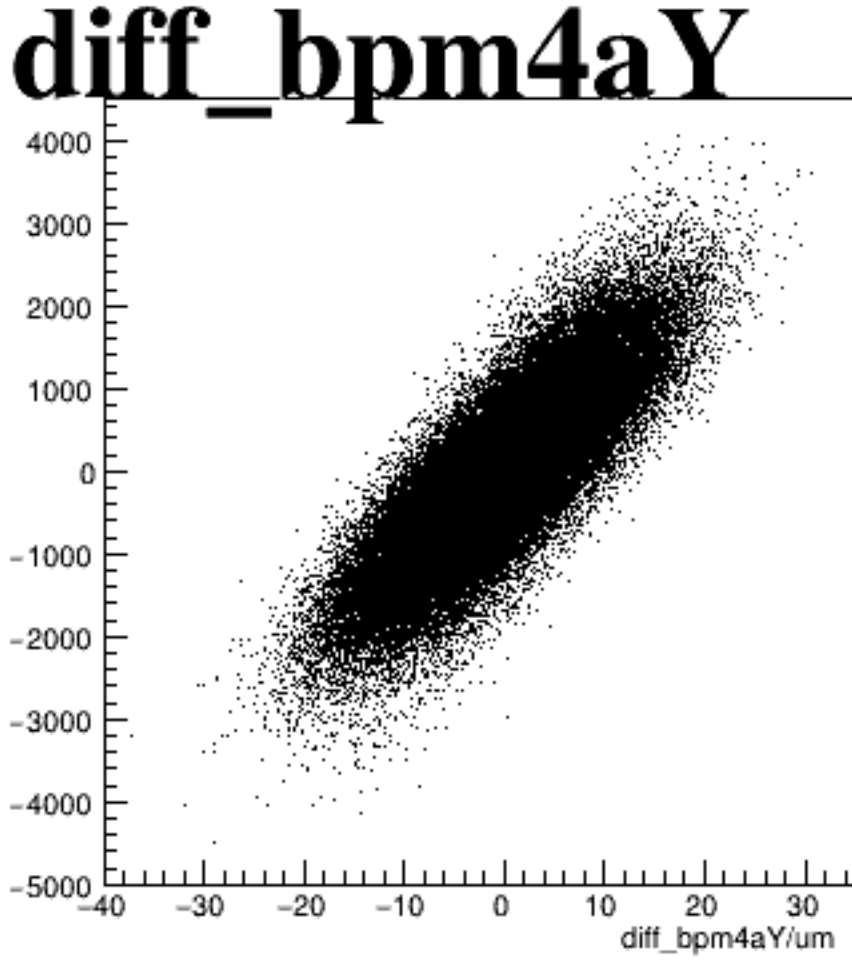
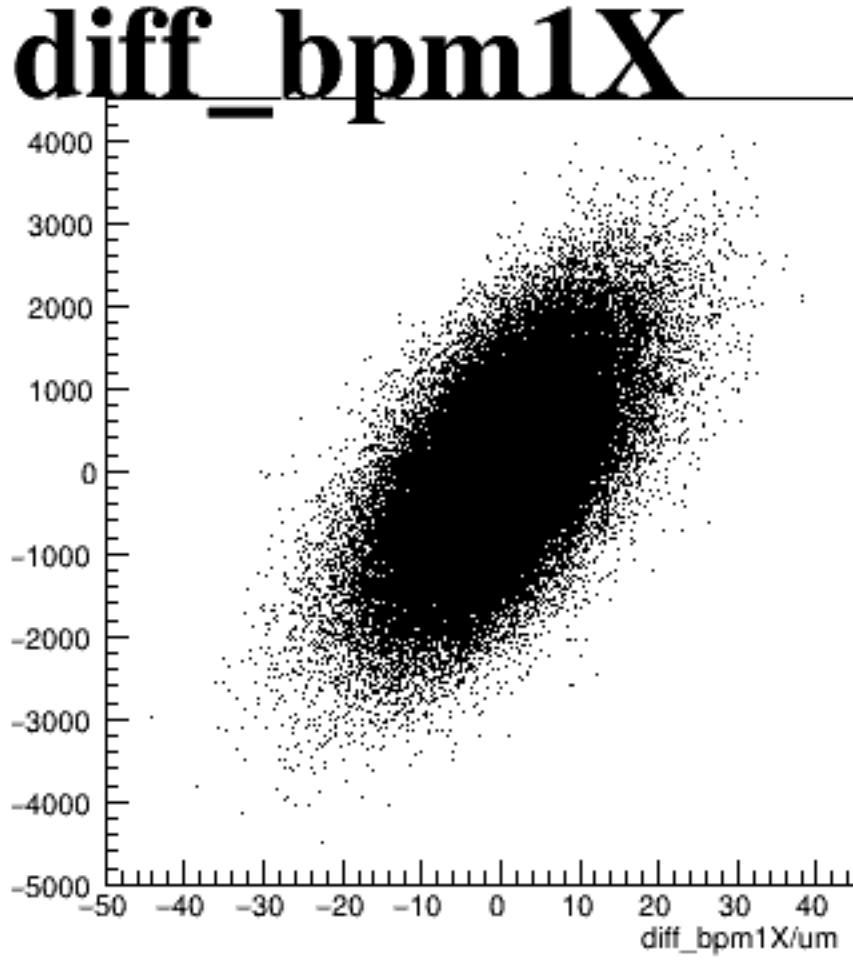
asym_sam2



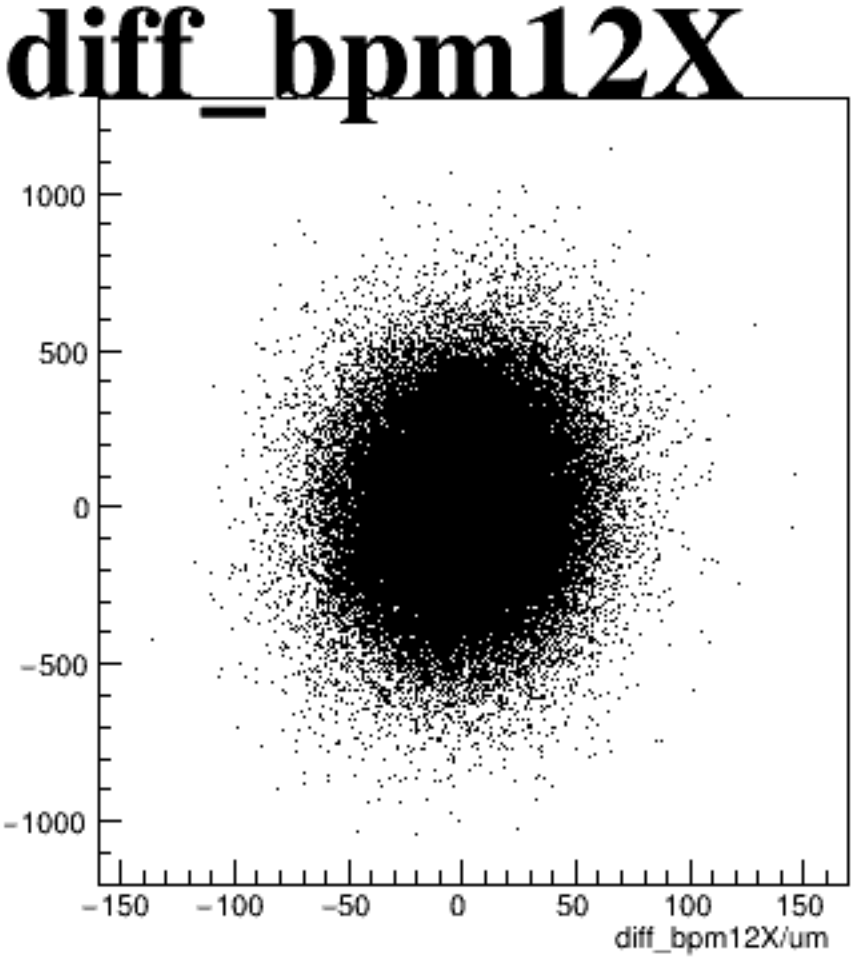
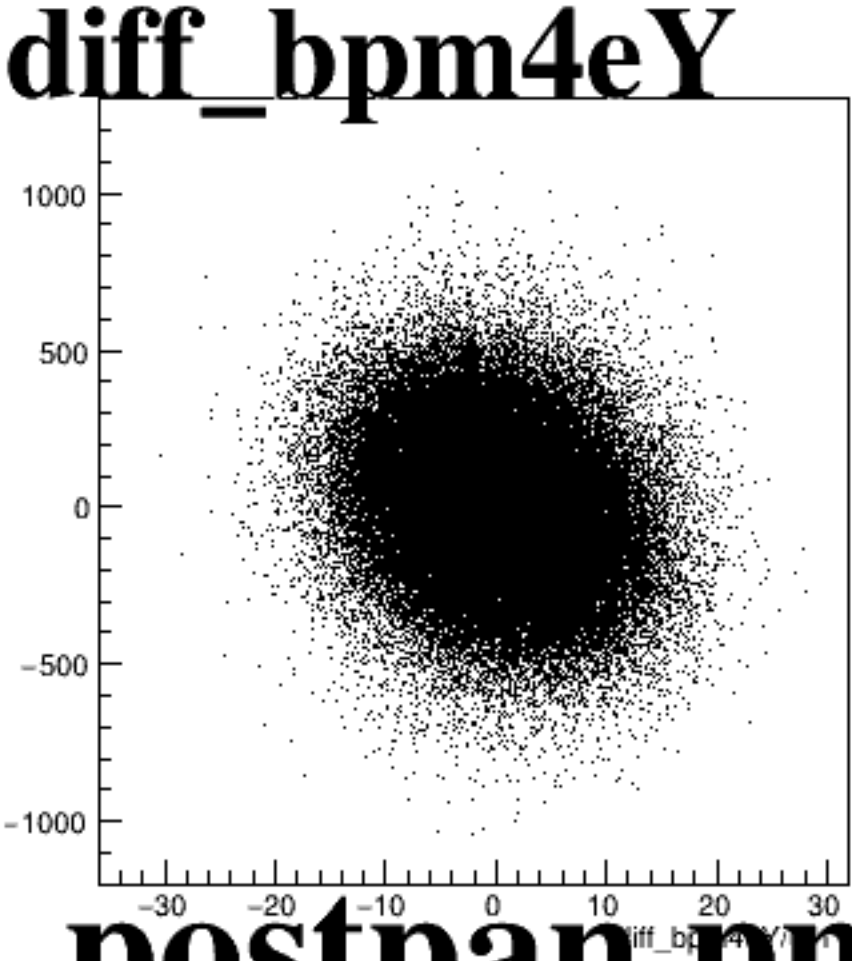
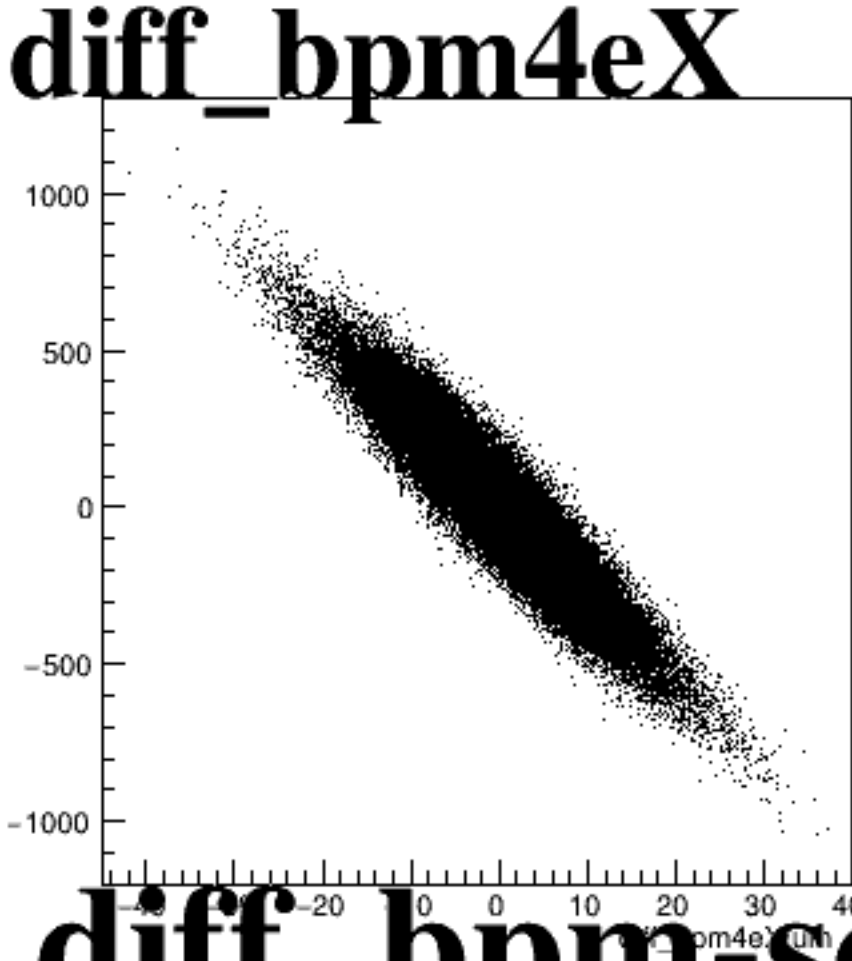
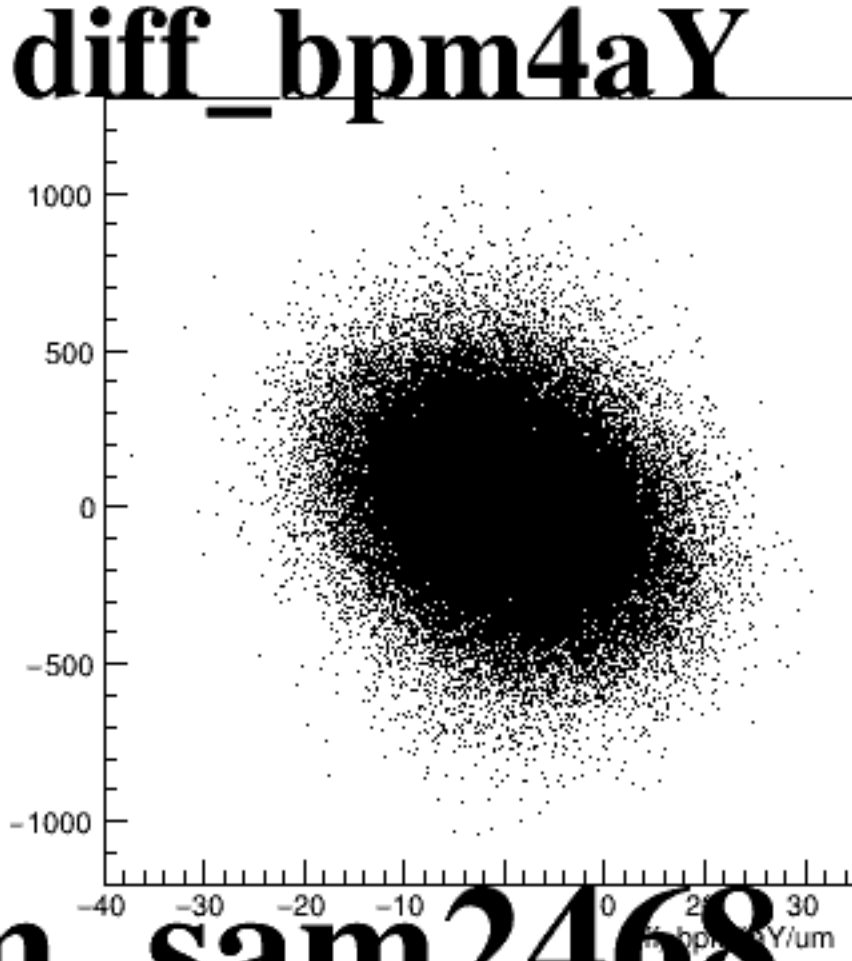
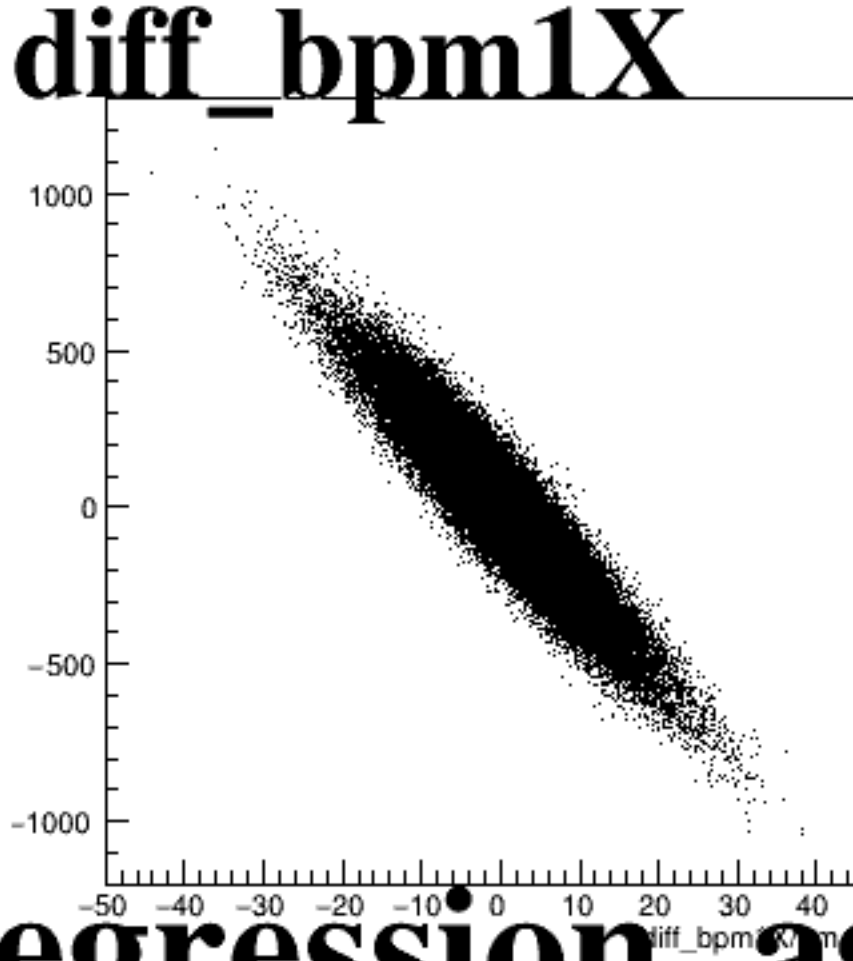
asym_sam4



asym_sam6



asym_sam8



The figure displays five scatter plots, each representing the difference in beam position measurements (diff_bpm) for a specific beam size and position. The plots are arranged horizontally and labeled as follows:

- diff_bpm1X**: Shows the difference in beam position measurements for a beam size of 1X. The x-axis is labeled diff_bpm1X/um and ranges from -50 to 40. The y-axis ranges from -1500 to 1000.
- diff_bpm4aY**: Shows the difference in beam position measurements for a beam size of 4aY. The x-axis is labeled diff_bpm4aY/um and ranges from -40 to 30. The y-axis ranges from -1500 to 1000.
- diff_bpm4eX**: Shows the difference in beam position measurements for a beam size of 4eX. The x-axis is labeled diff_bpm4eX/um and ranges from -40 to 40. The y-axis ranges from -1500 to 1000.
- diff_bpm4eY**: Shows the difference in beam position measurements for a beam size of 4eY. The x-axis is labeled diff_bpm4eY/um and ranges from -30 to 30. The y-axis ranges from -1500 to 1000.
- diff_bpm12X**: Shows the difference in beam position measurements for a beam size of 12X. The x-axis is labeled diff_bpm12X/um and ranges from -150 to 150. The y-axis ranges from -1500 to 1000.

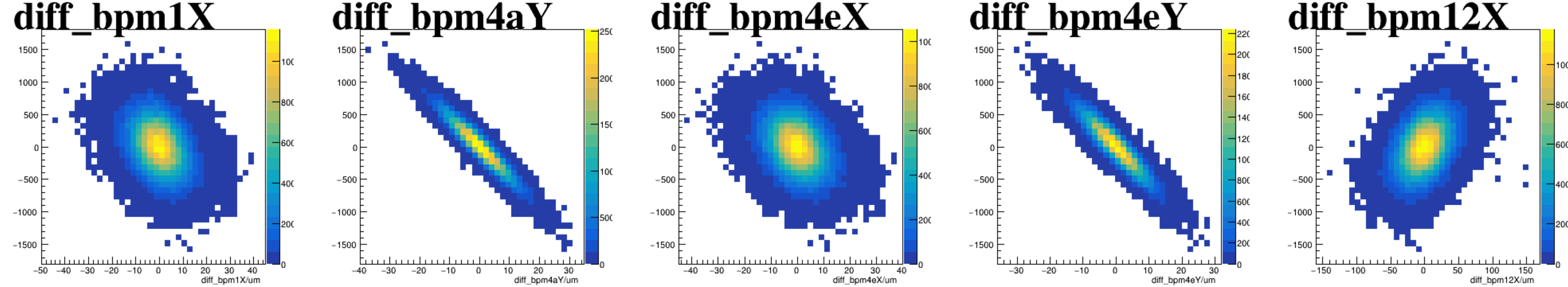
Each plot shows a dense cloud of points centered around the origin, indicating the distribution of differences between measurements. The x-axis for each plot represents the difference in beam position measurements (diff_bpm) in micrometers (um), and the y-axis represents the difference in beam position measurements (diff_bpm) in micrometers (um).

The figure displays five scatter plots, each representing the distribution of difference coordinates for a specific BPM. The plots are arranged horizontally and labeled as follows:

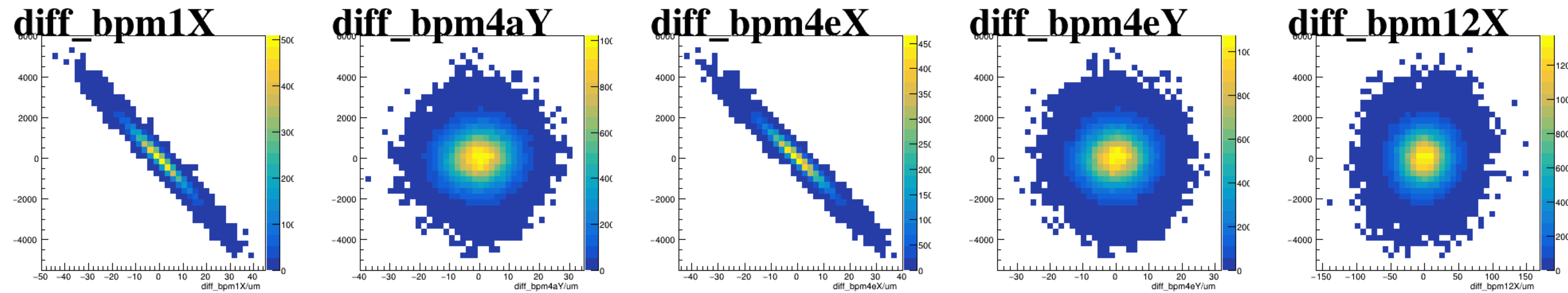
- diff_bpm1X**: The x-axis ranges from -50 to 40, and the y-axis ranges from -1000 to 1300.
- diff_bpm4aY**: The x-axis ranges from -40 to 30, and the y-axis ranges from -1000 to 1300.
- diff_bpm4eX**: The x-axis ranges from -40 to 40, and the y-axis ranges from -1000 to 1300.
- diff_bpm4eY**: The x-axis ranges from -30 to 30, and the y-axis ranges from -1000 to 1300.
- diff_bpm12X**: The x-axis ranges from -150 to 150, and the y-axis ranges from -1000 to 1300.

All plots show a dense, roughly circular cloud of points centered at (0,0), indicating a Gaussian-like distribution of the difference coordinates. The axes are labeled with the difference coordinate and the unit 'um'.

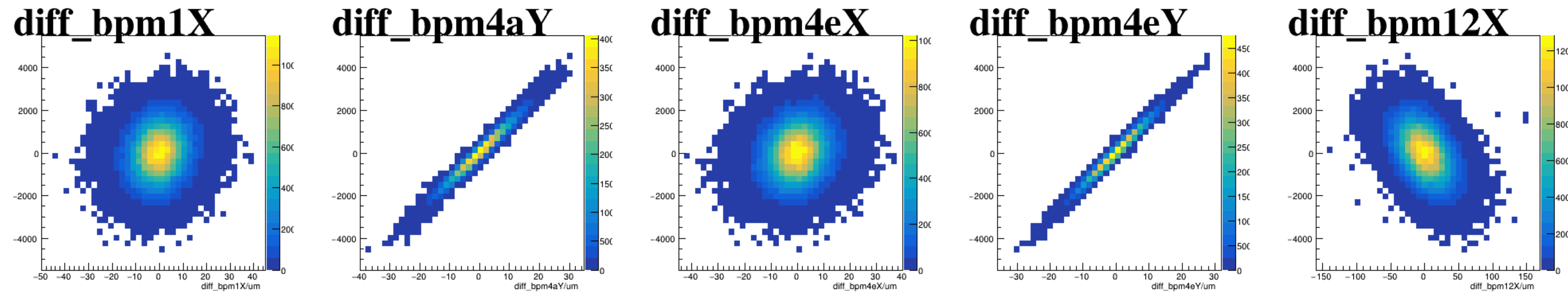
asym_sam1



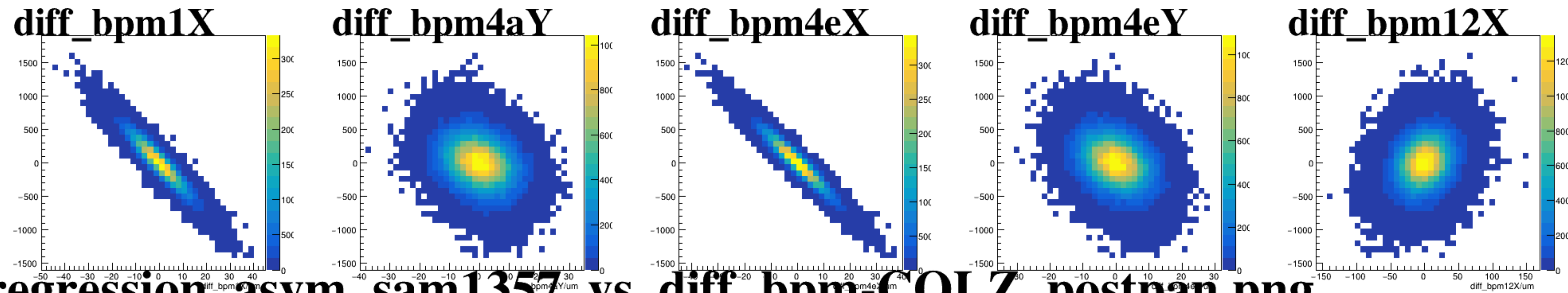
asym_sam3



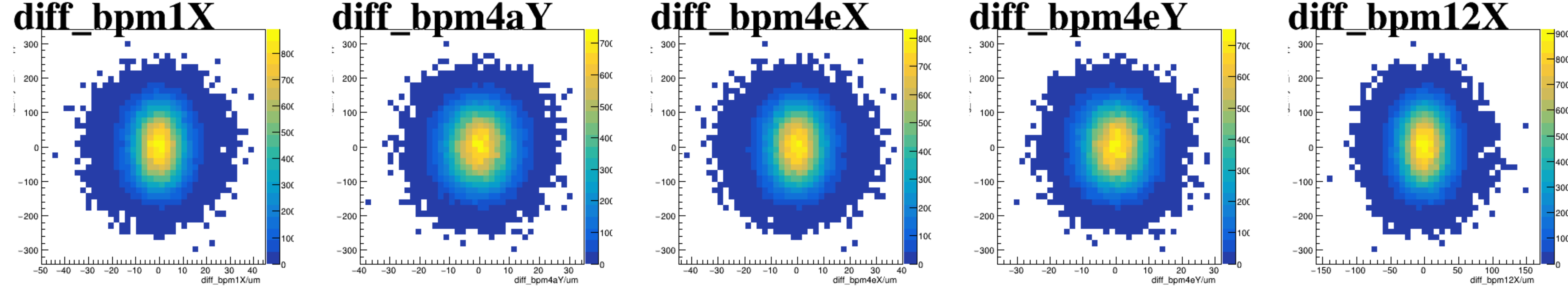
asym_sam5



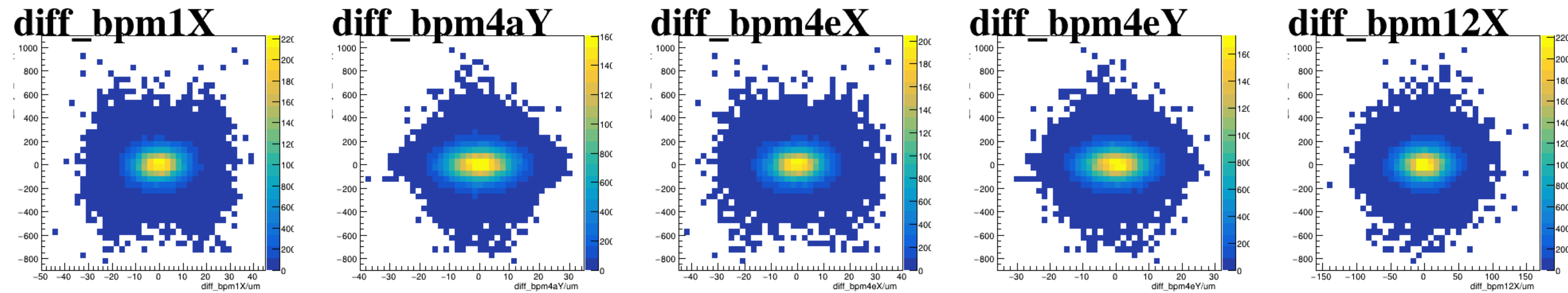
asym_sam7



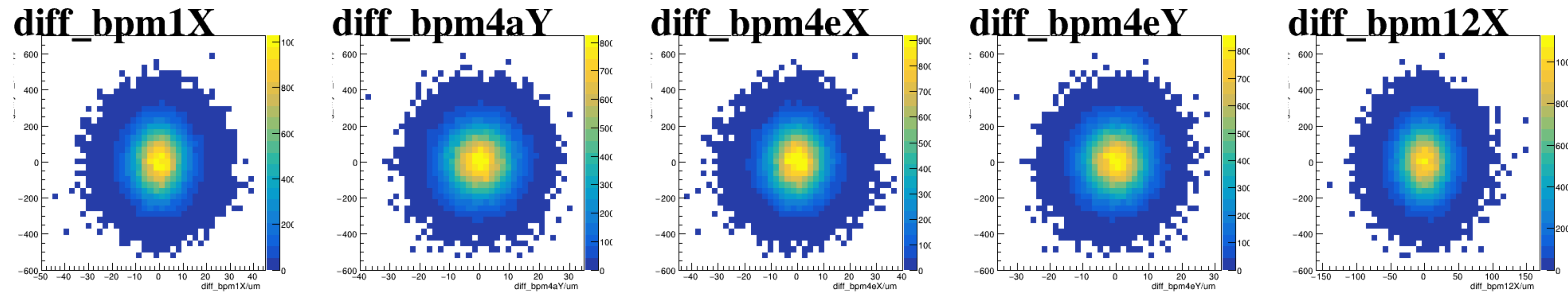
reg_asym_sam1



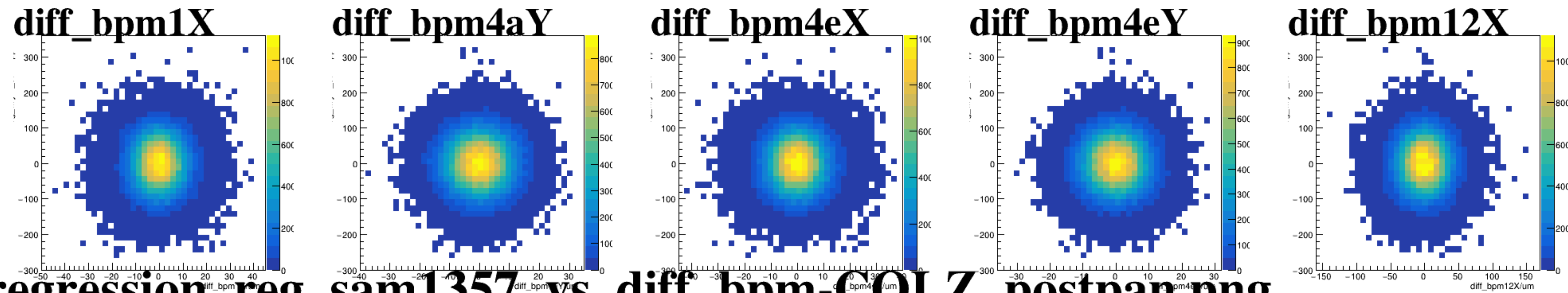
reg_asym_sam3



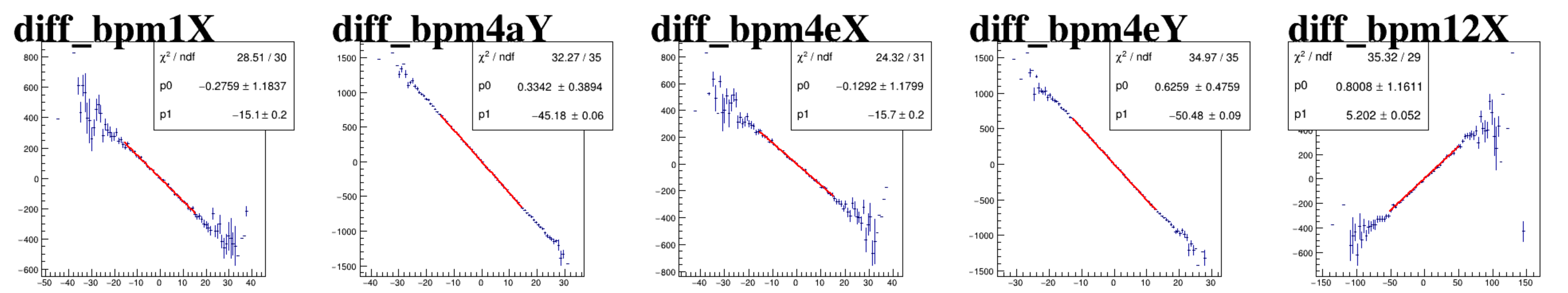
reg_asym_sam5



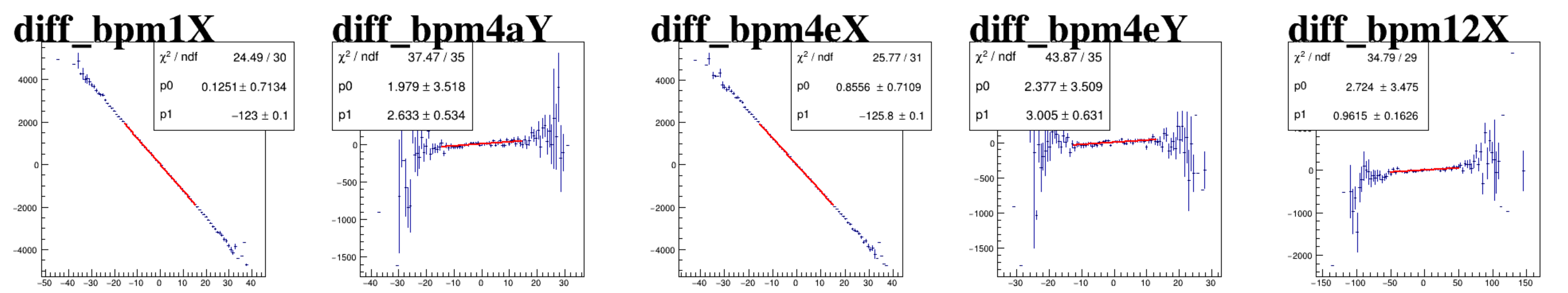
reg_asym_sam7



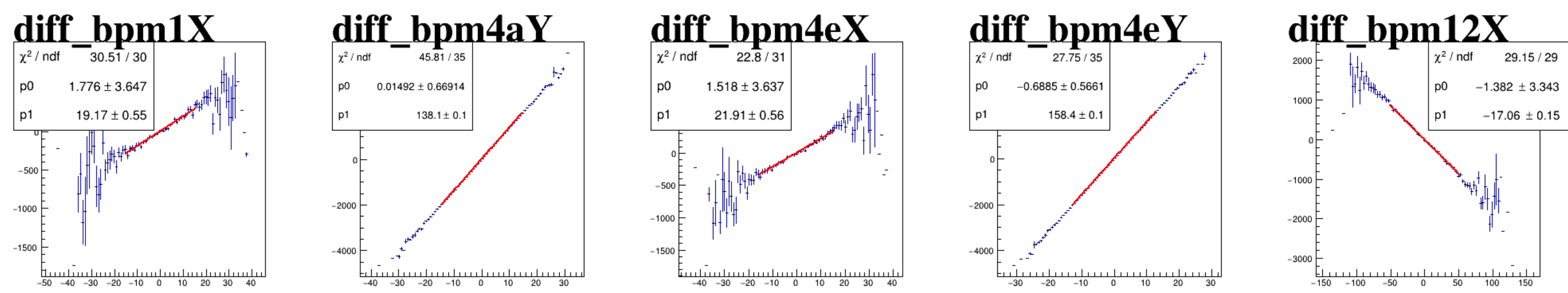
asym_sam1



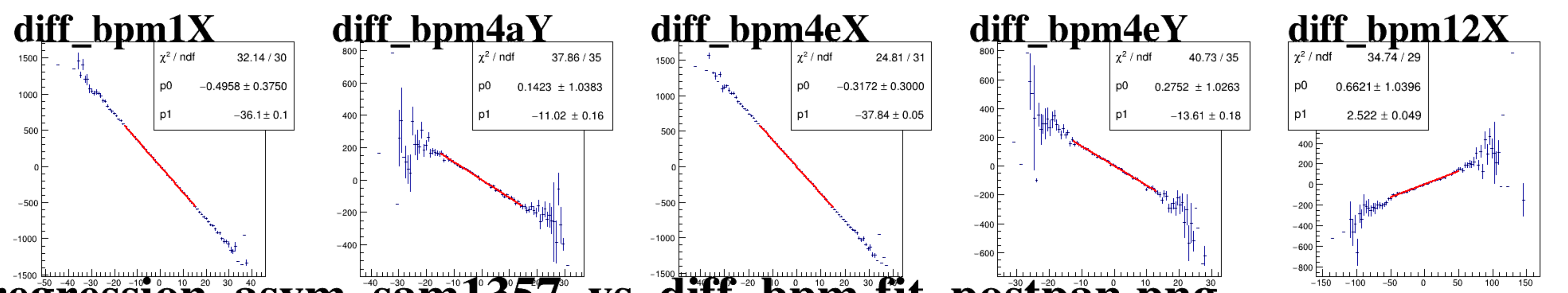
asym_sam3



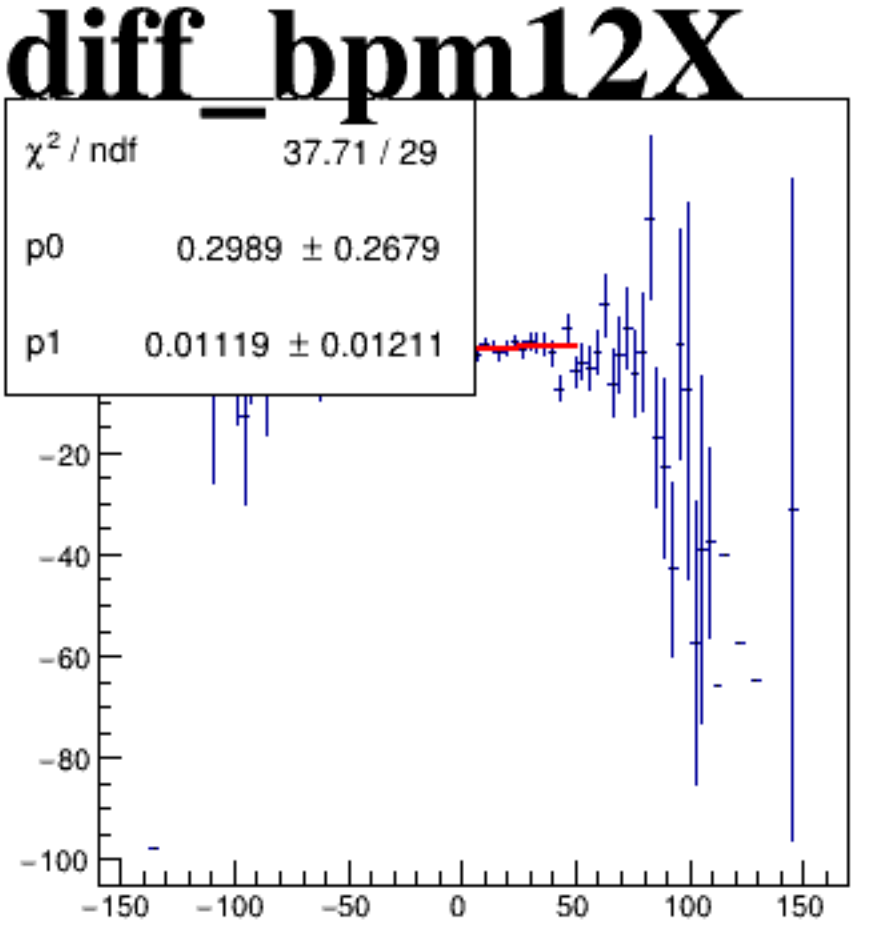
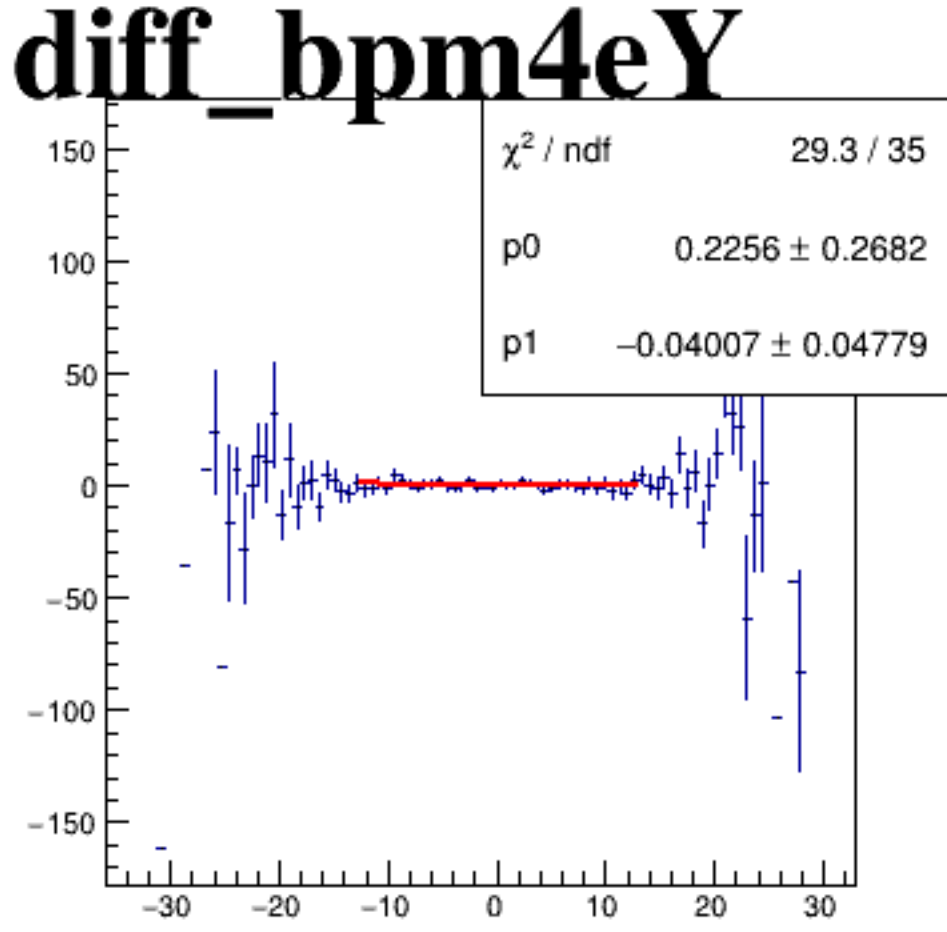
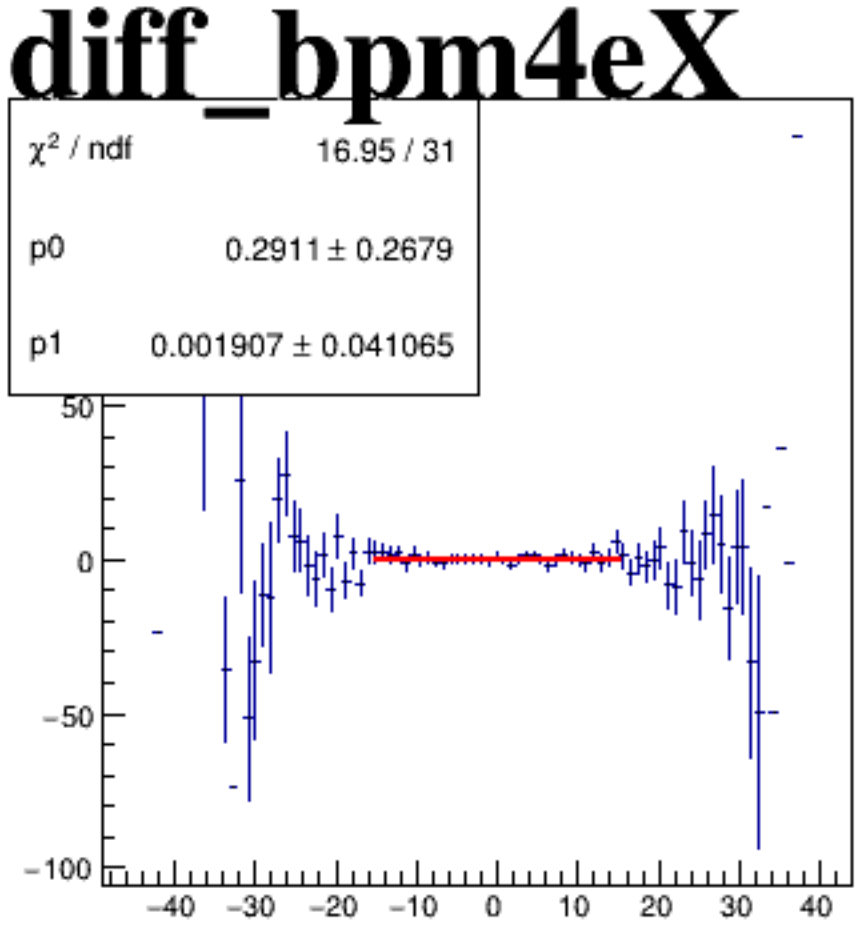
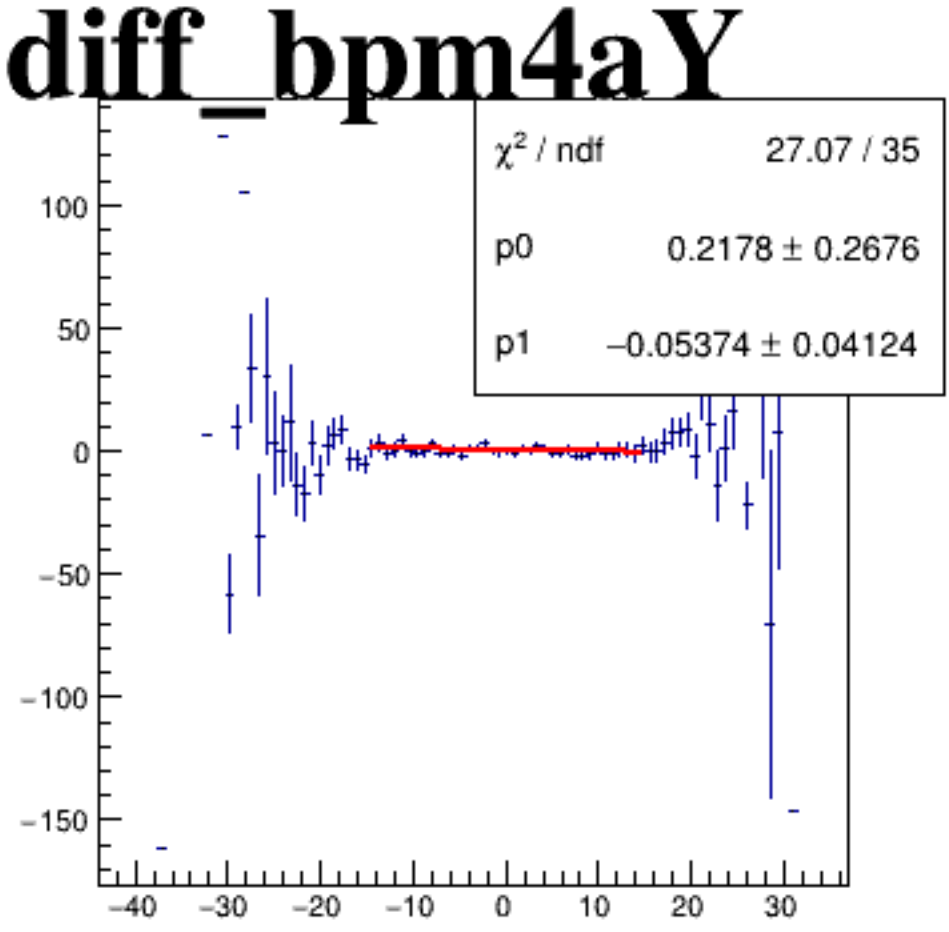
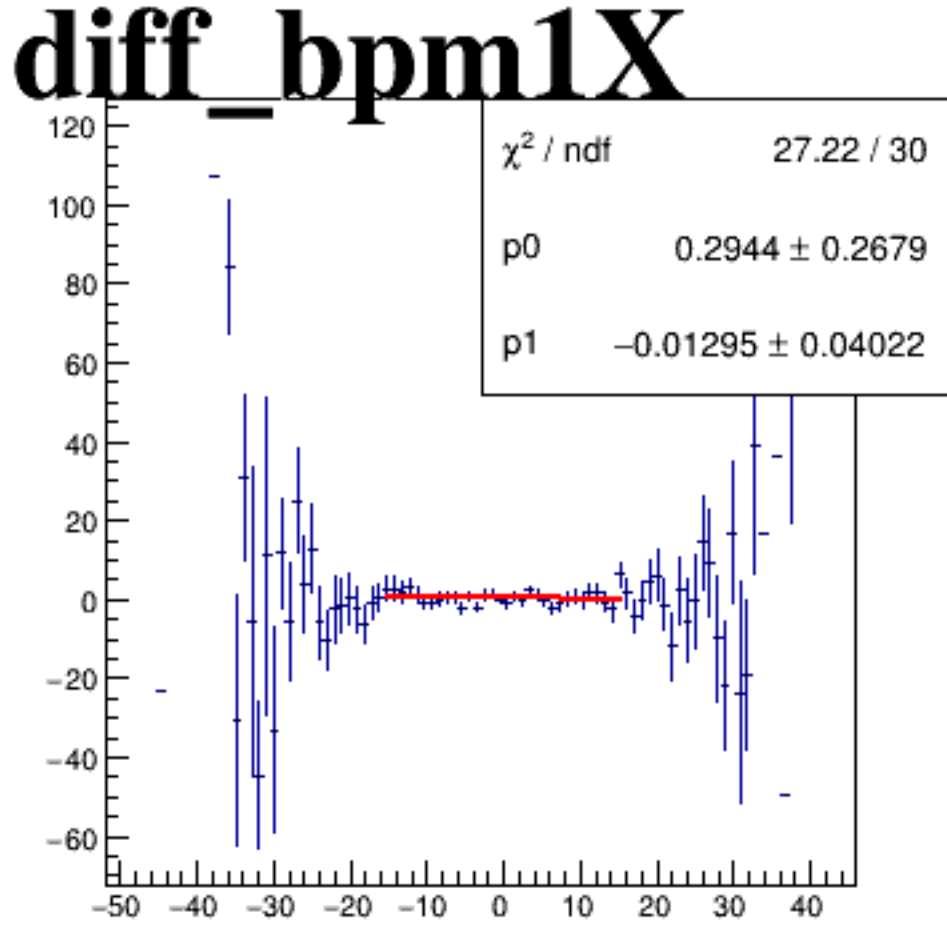
asym_sam5



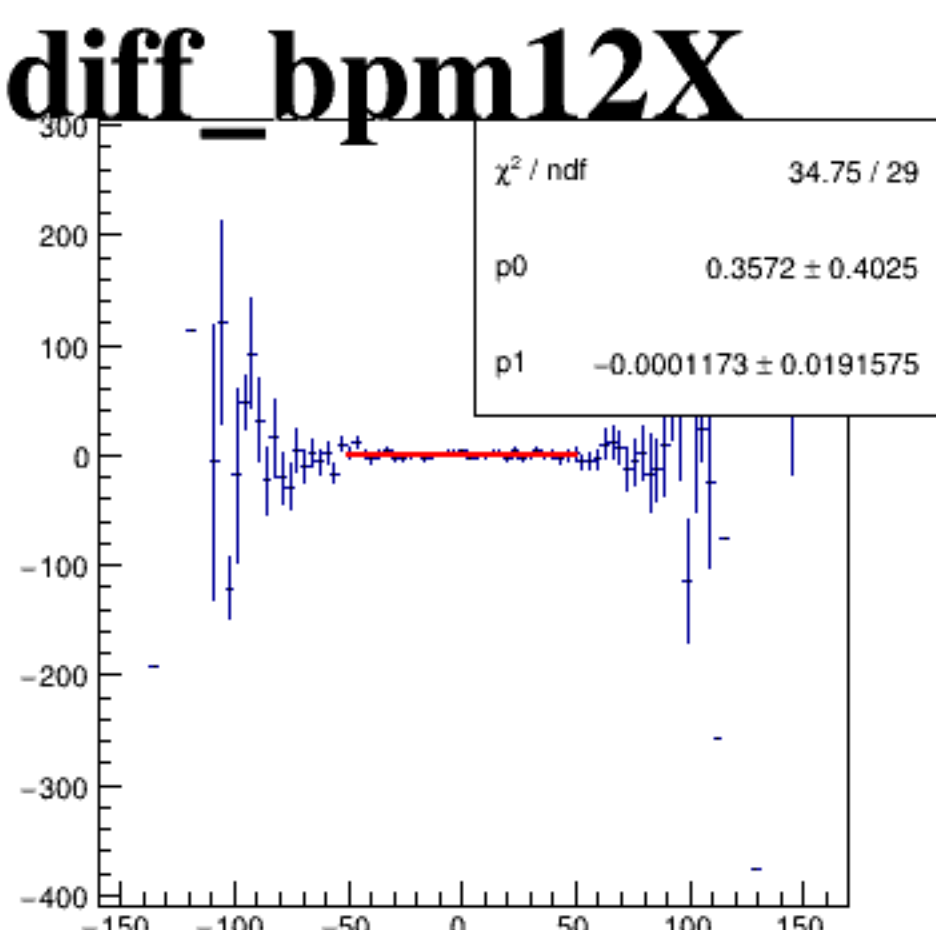
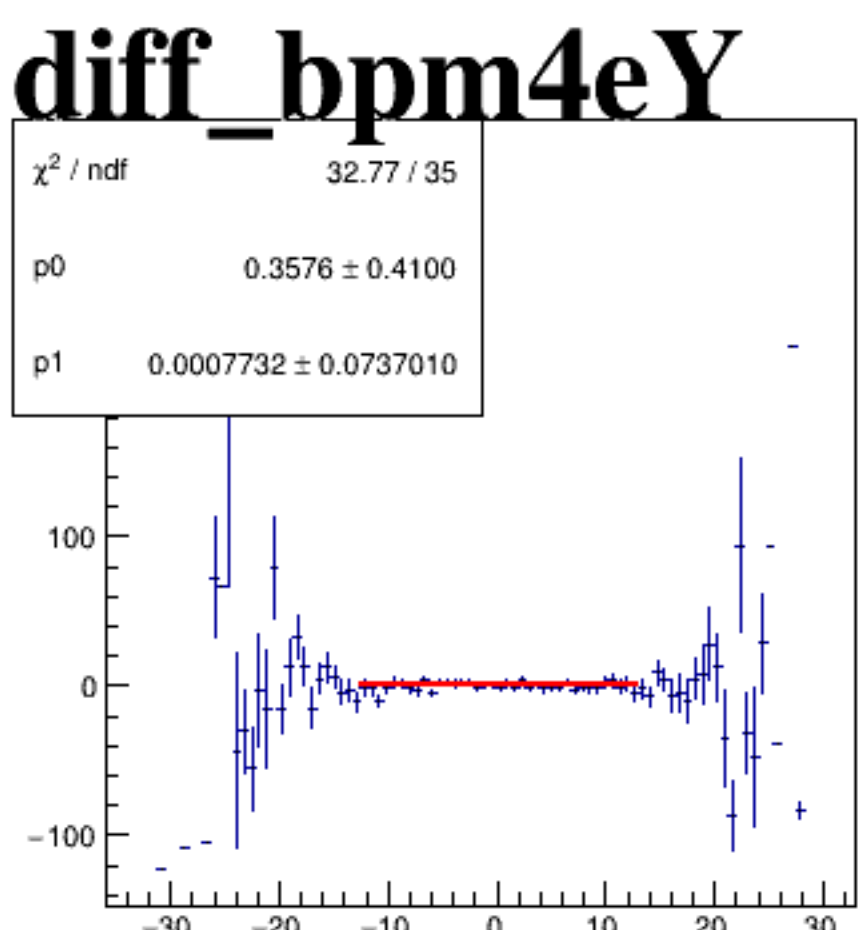
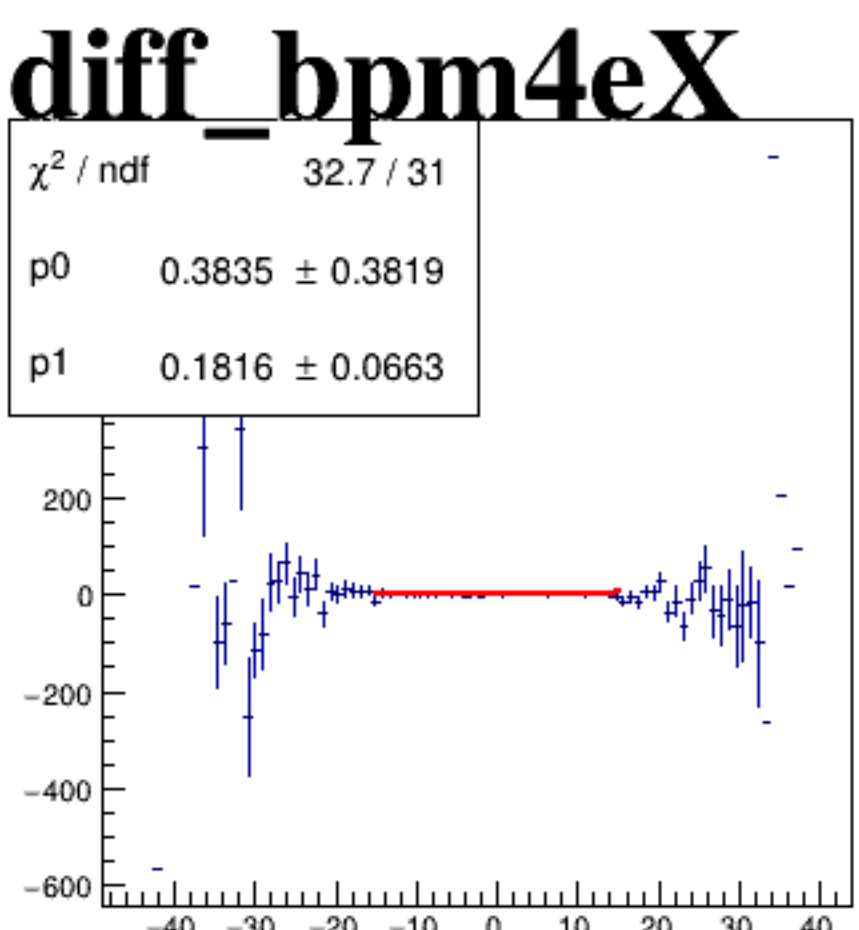
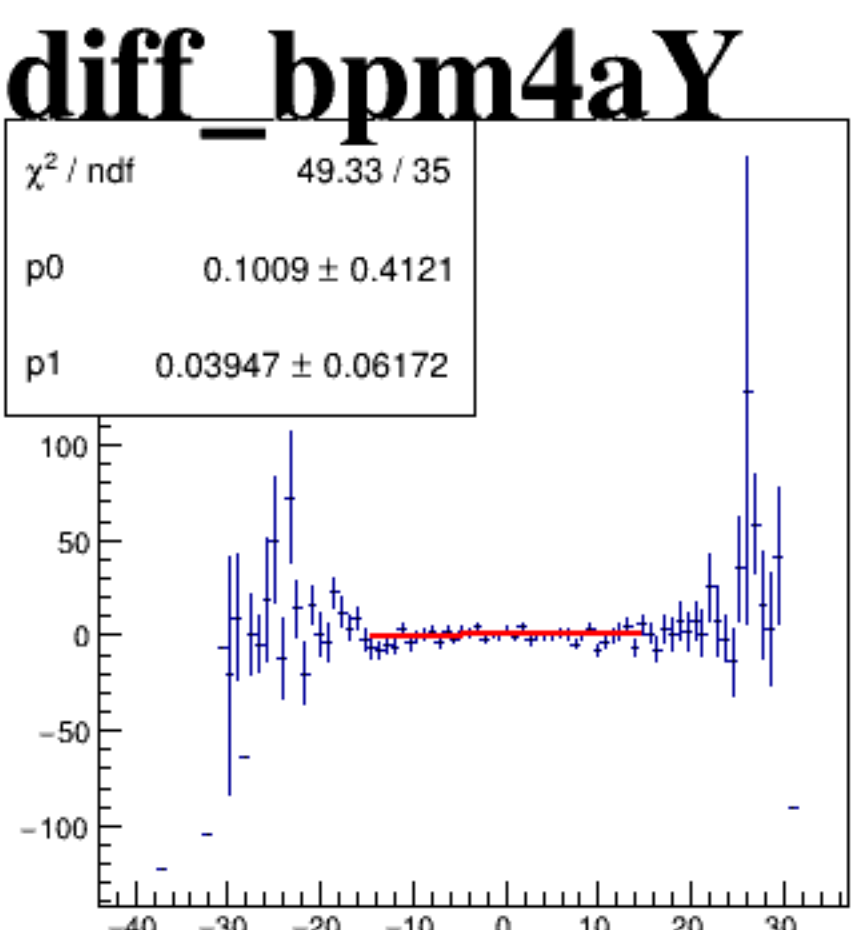
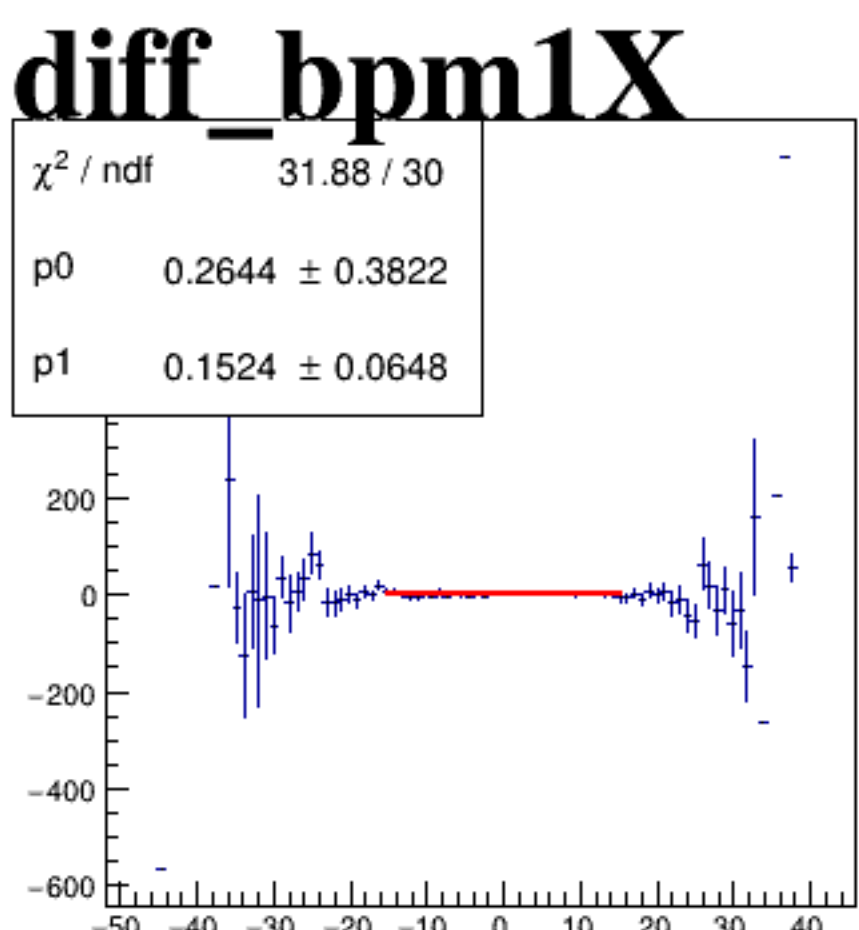
asym_sam7



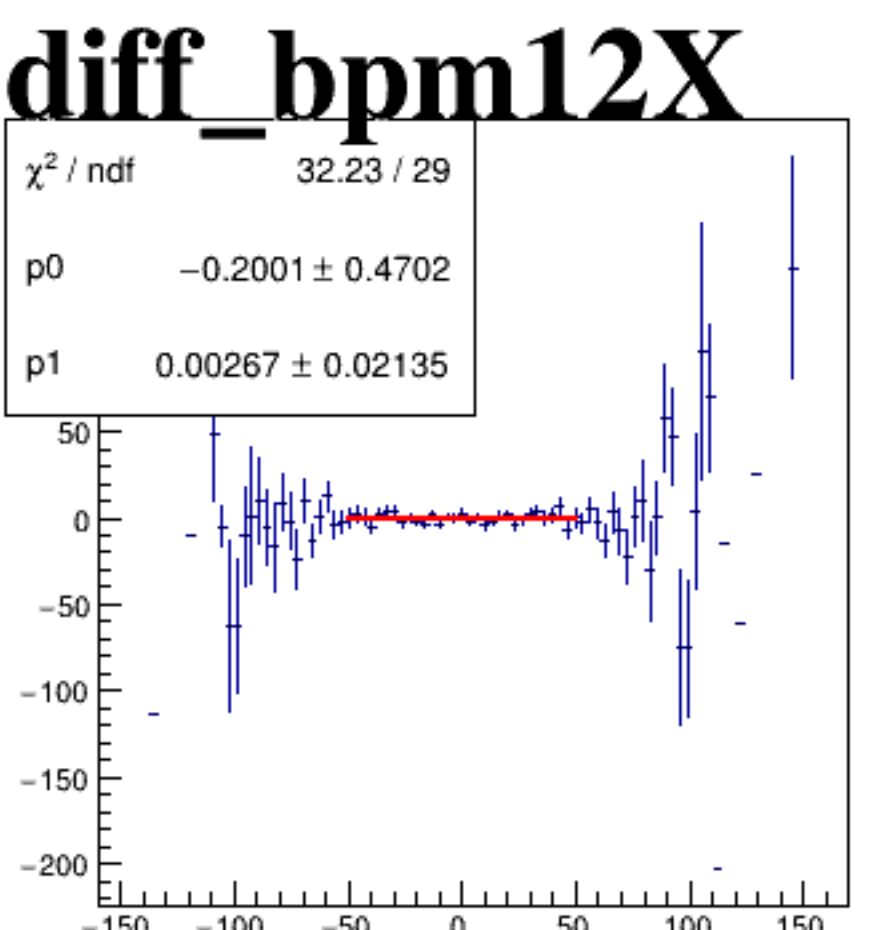
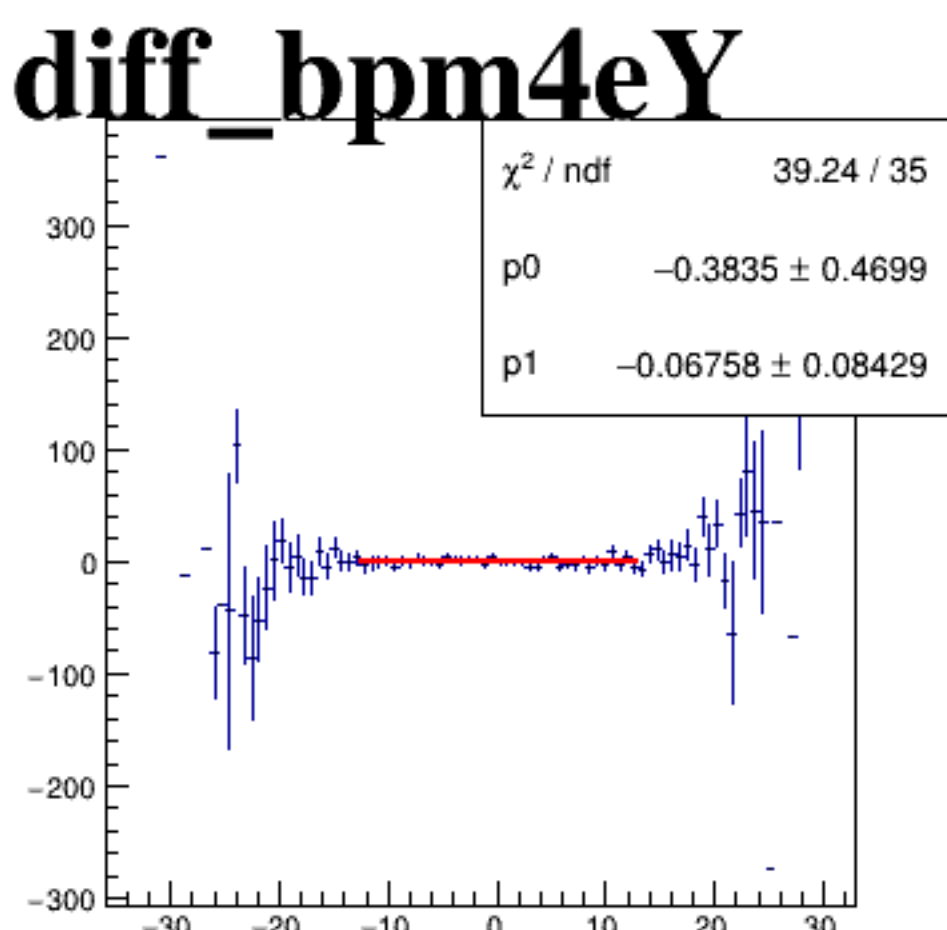
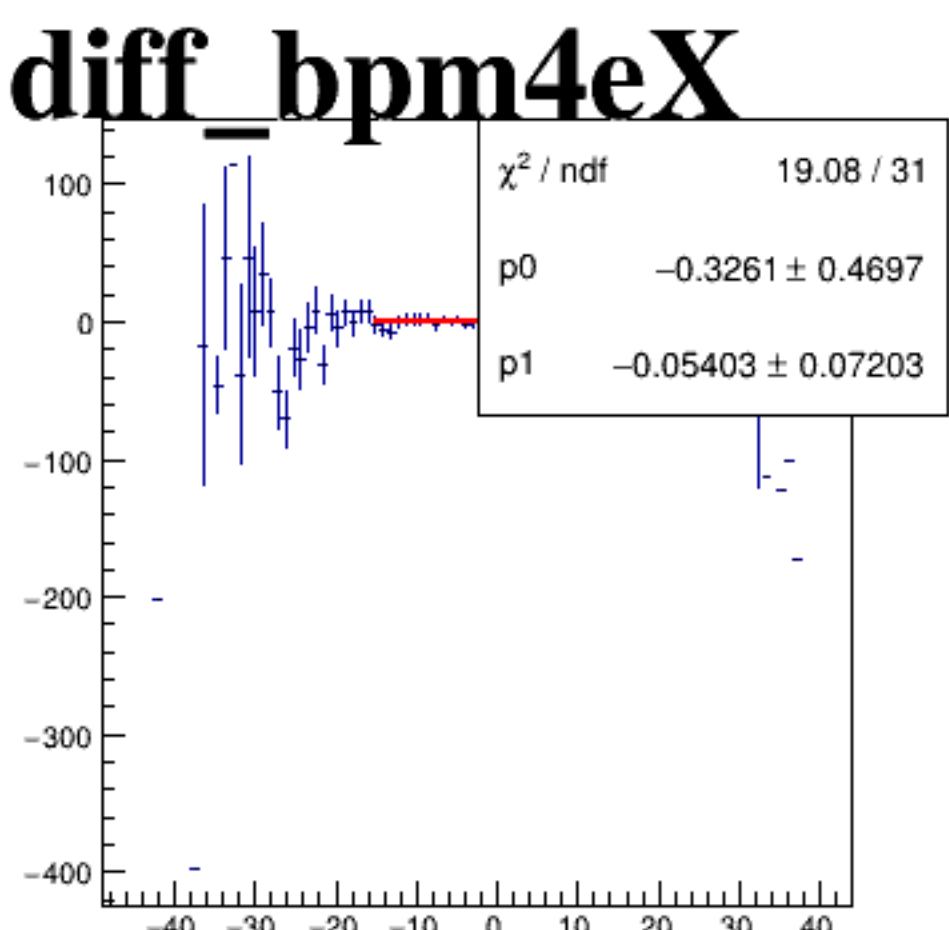
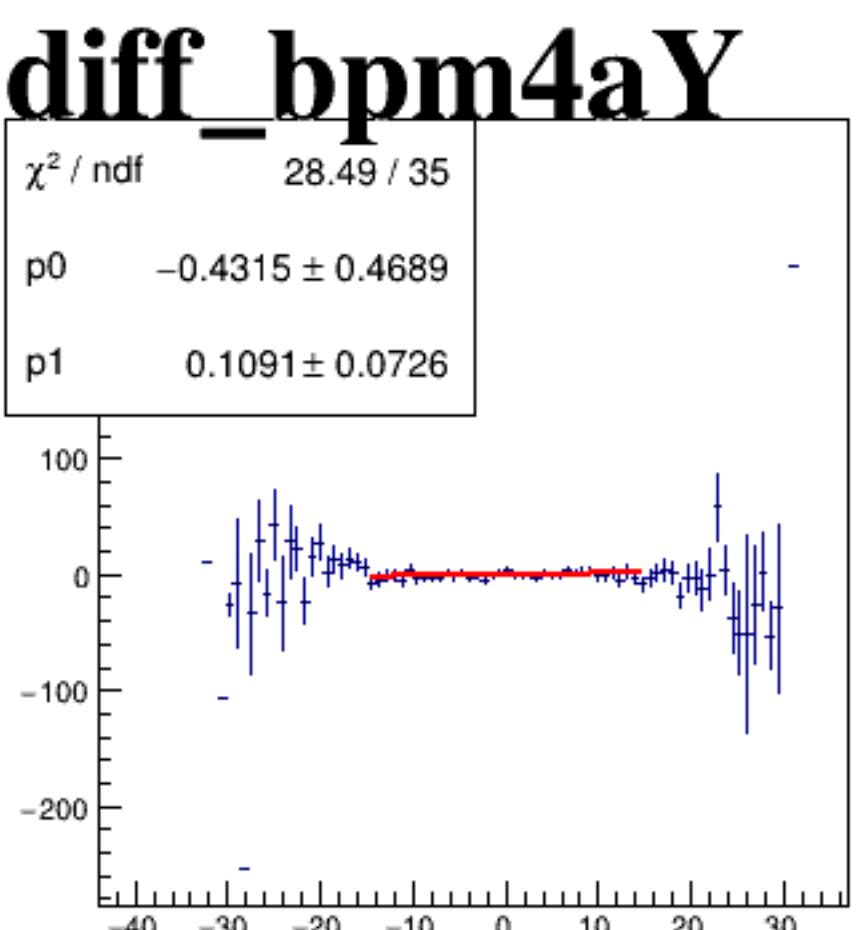
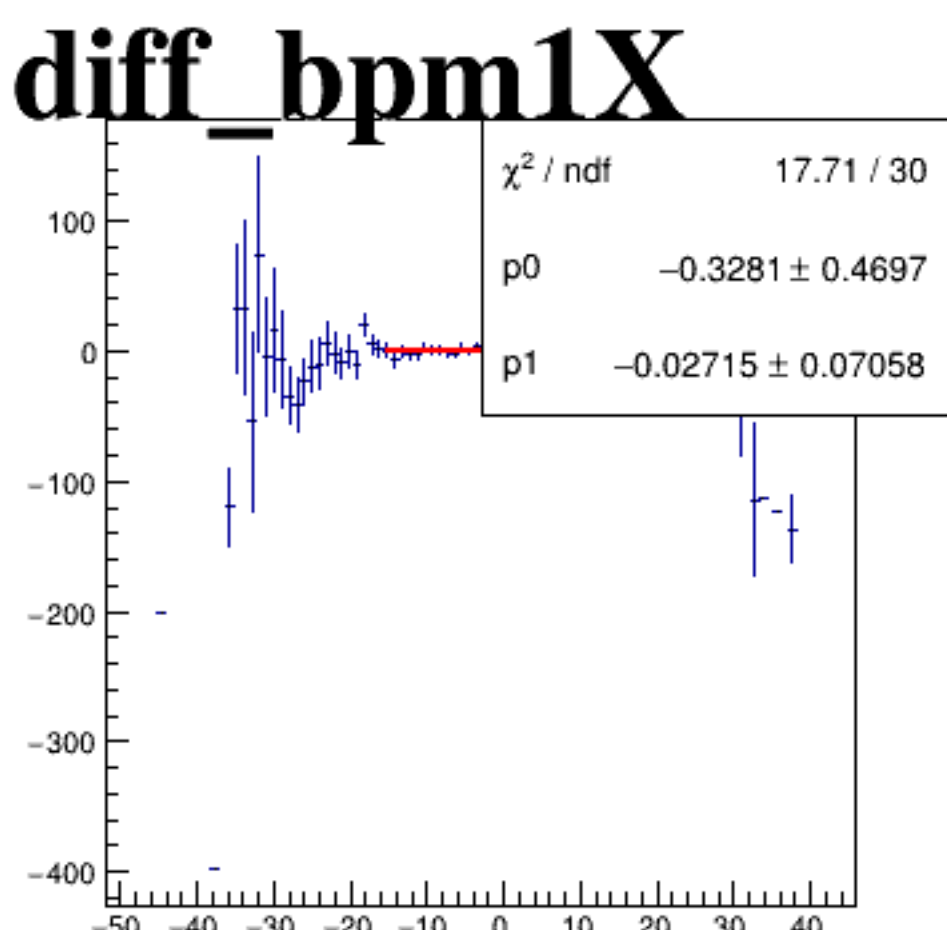
reg_asym_sam1



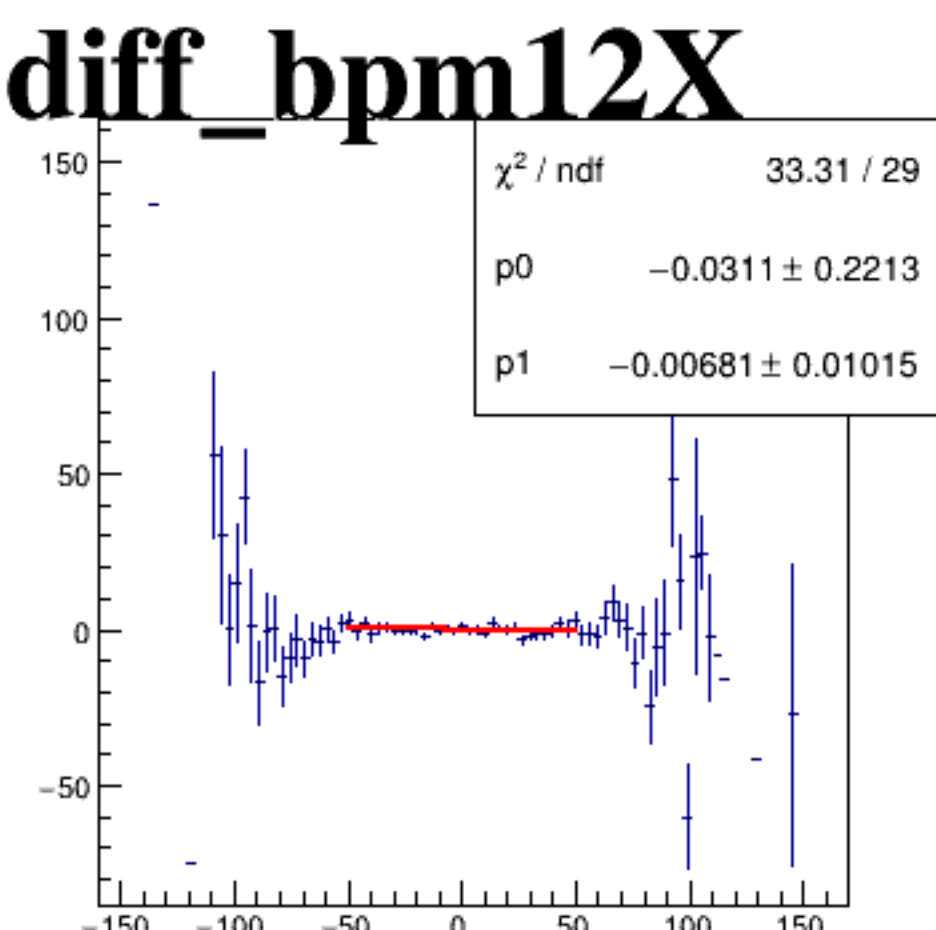
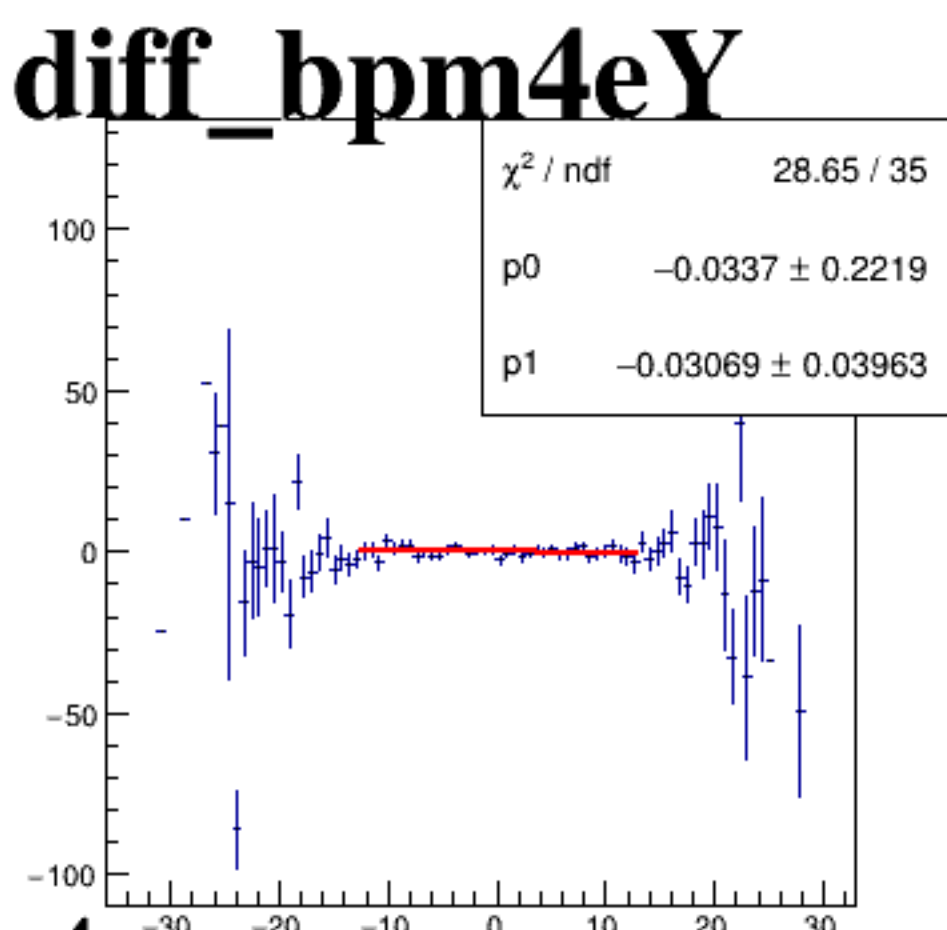
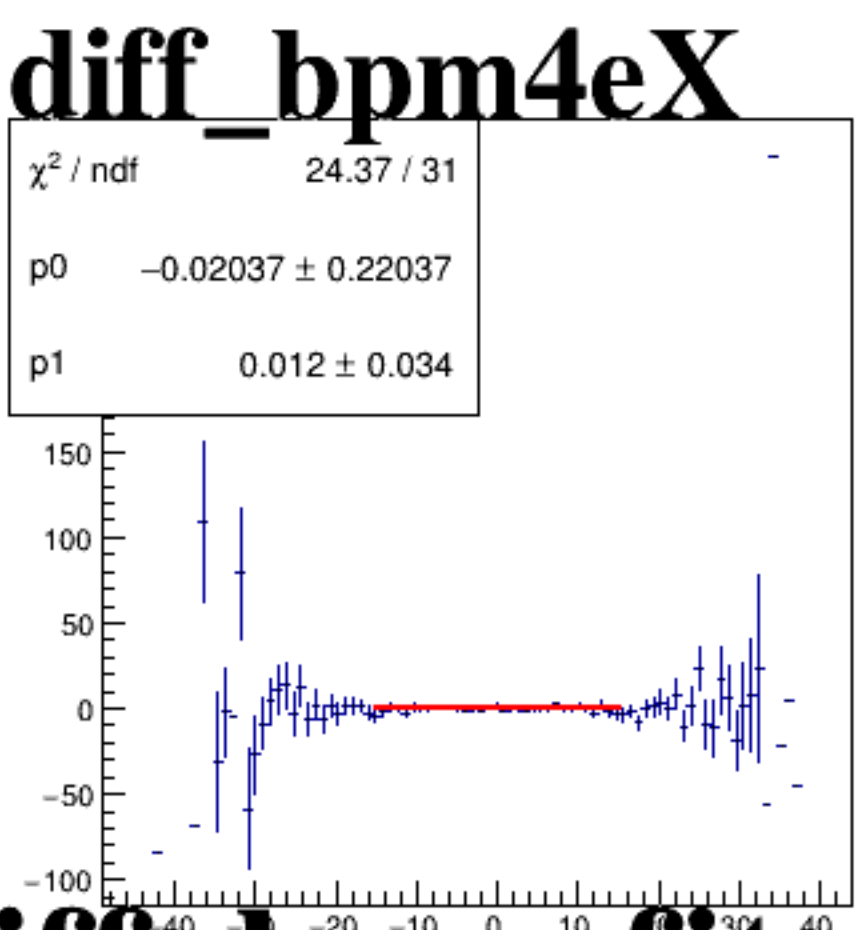
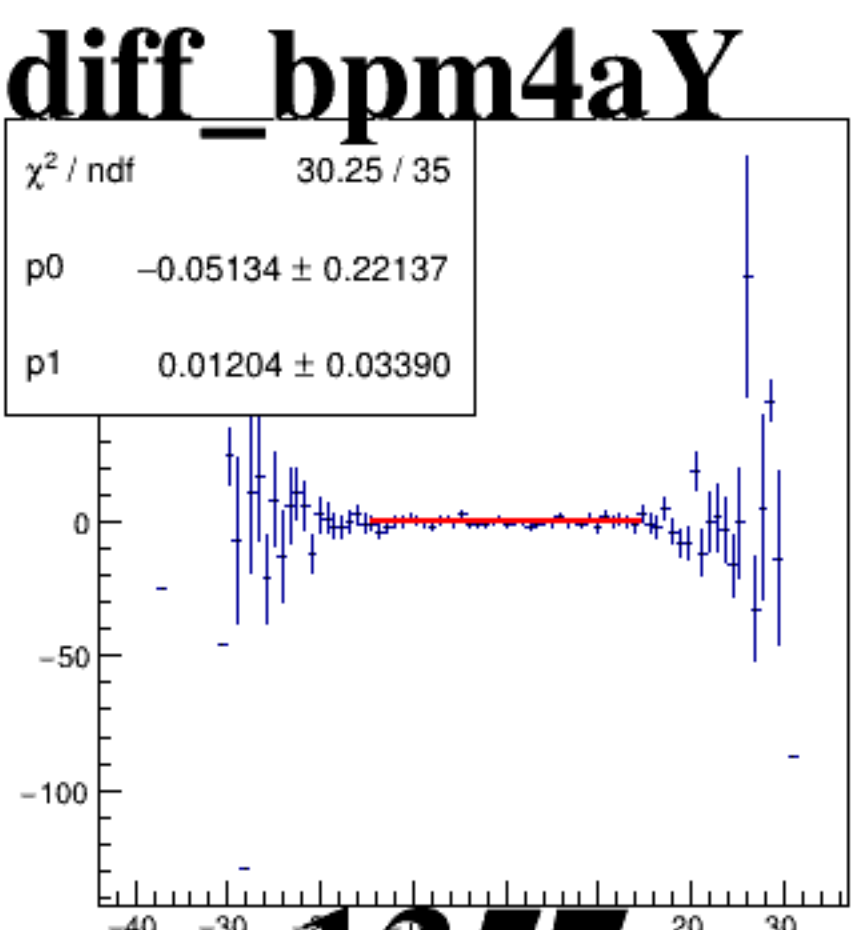
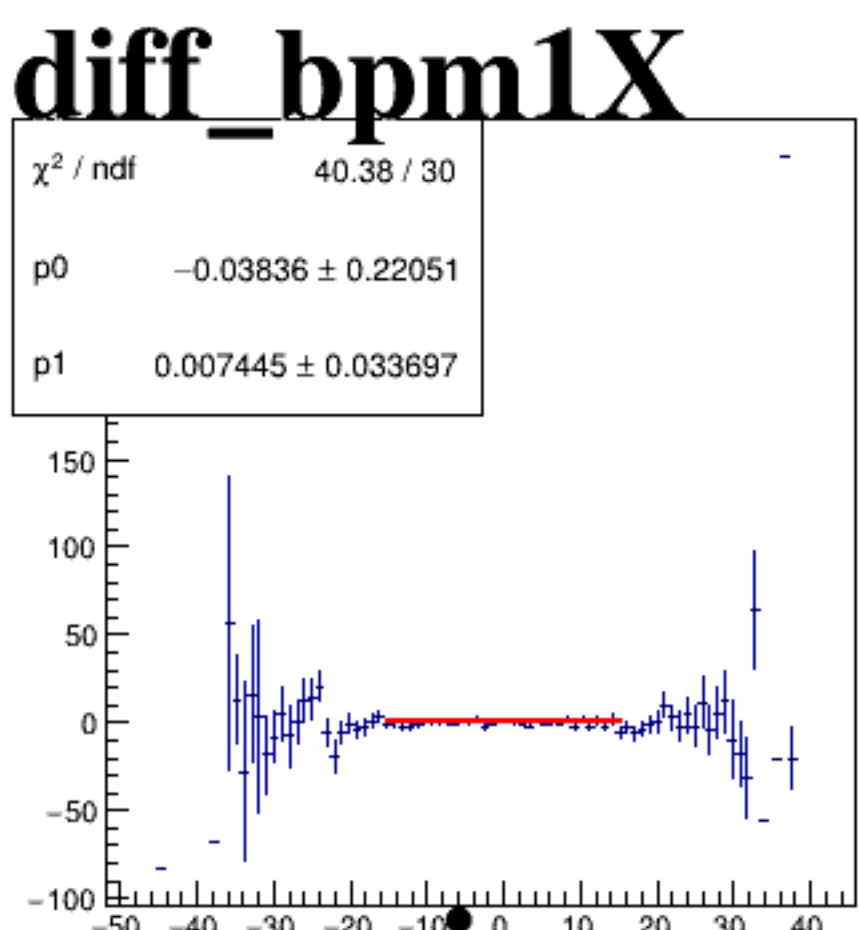
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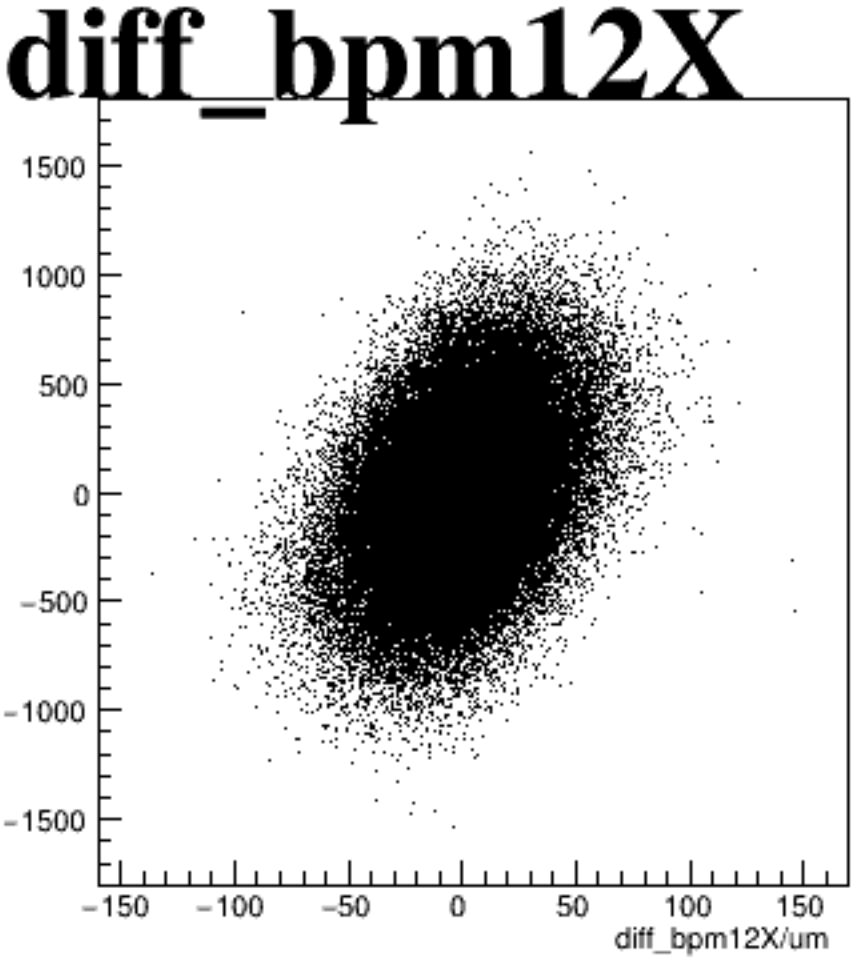
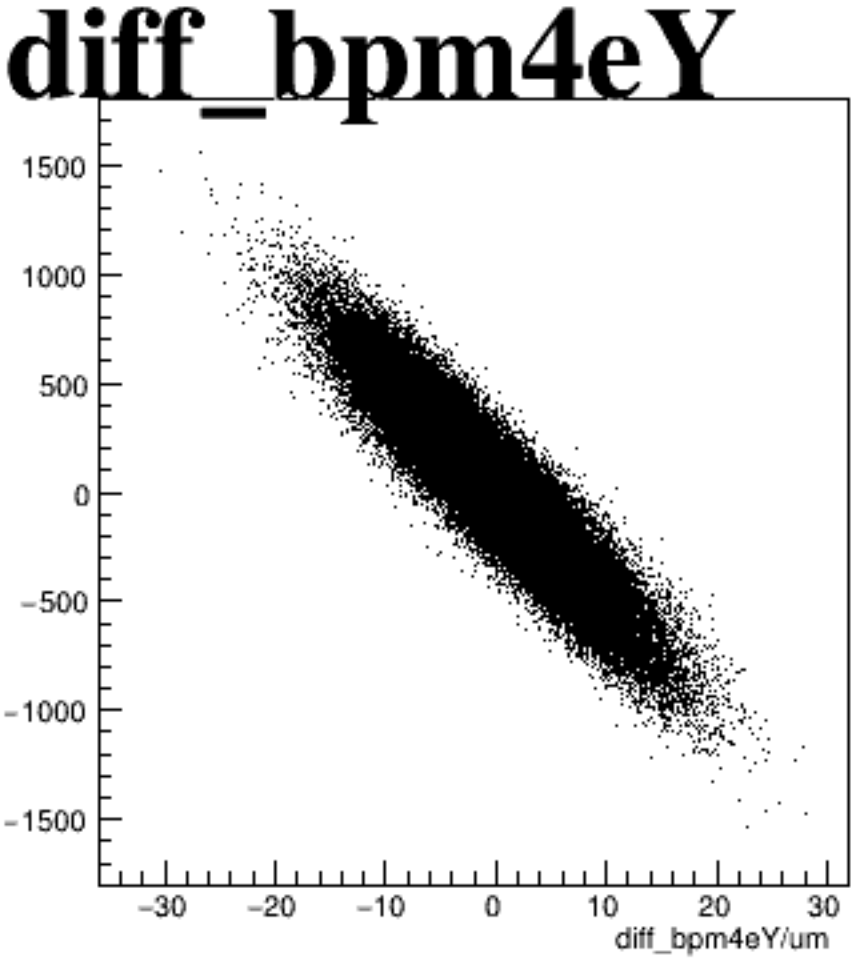
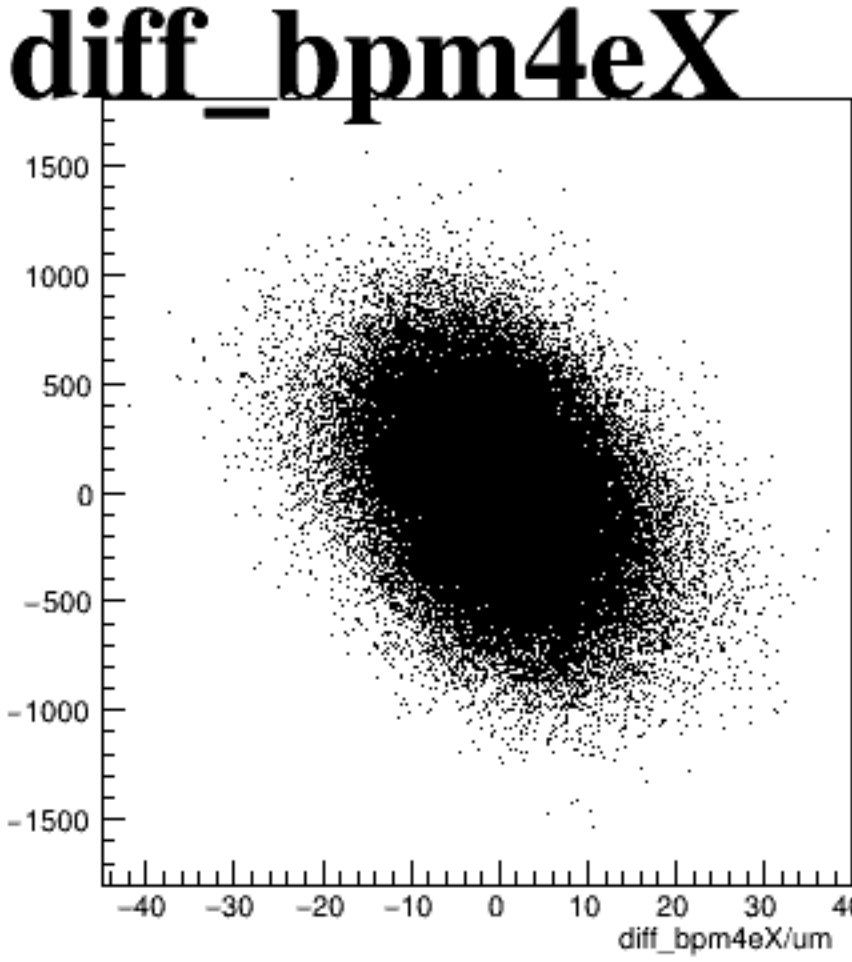
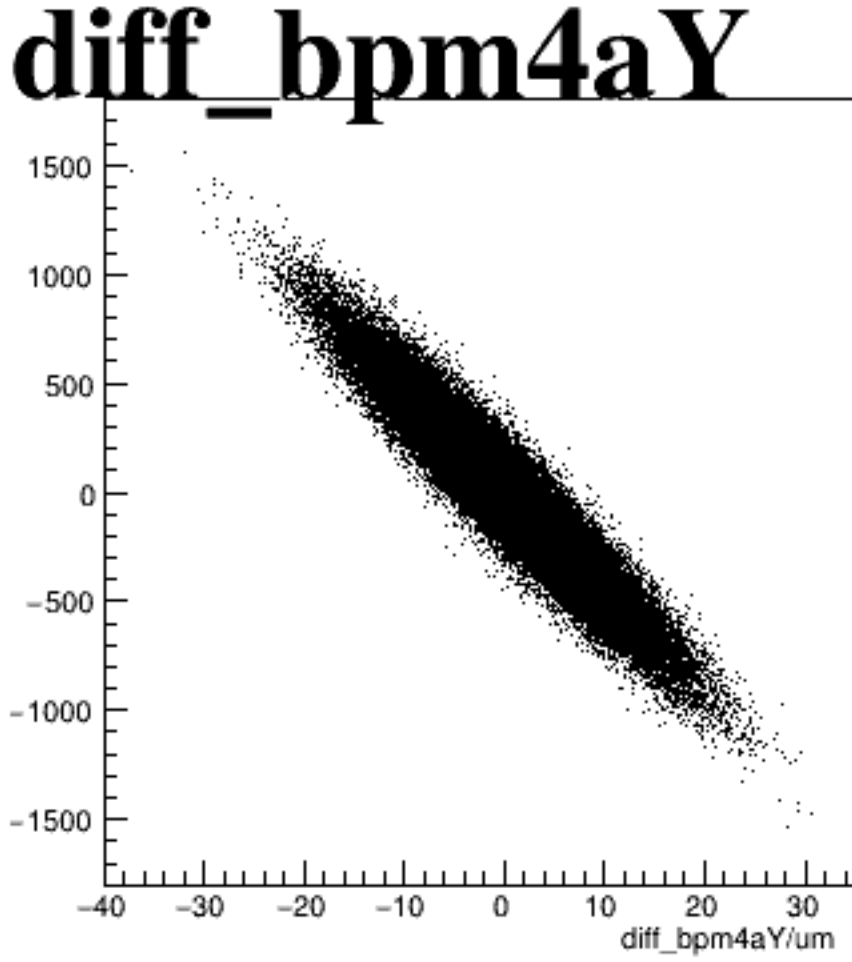
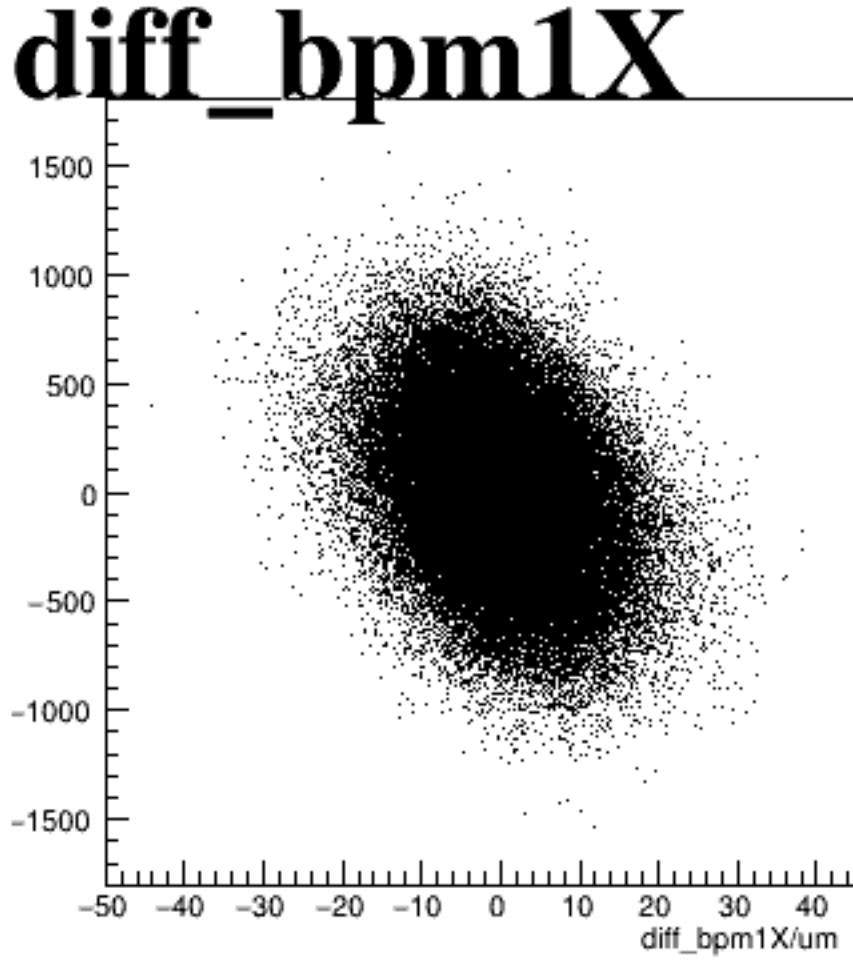
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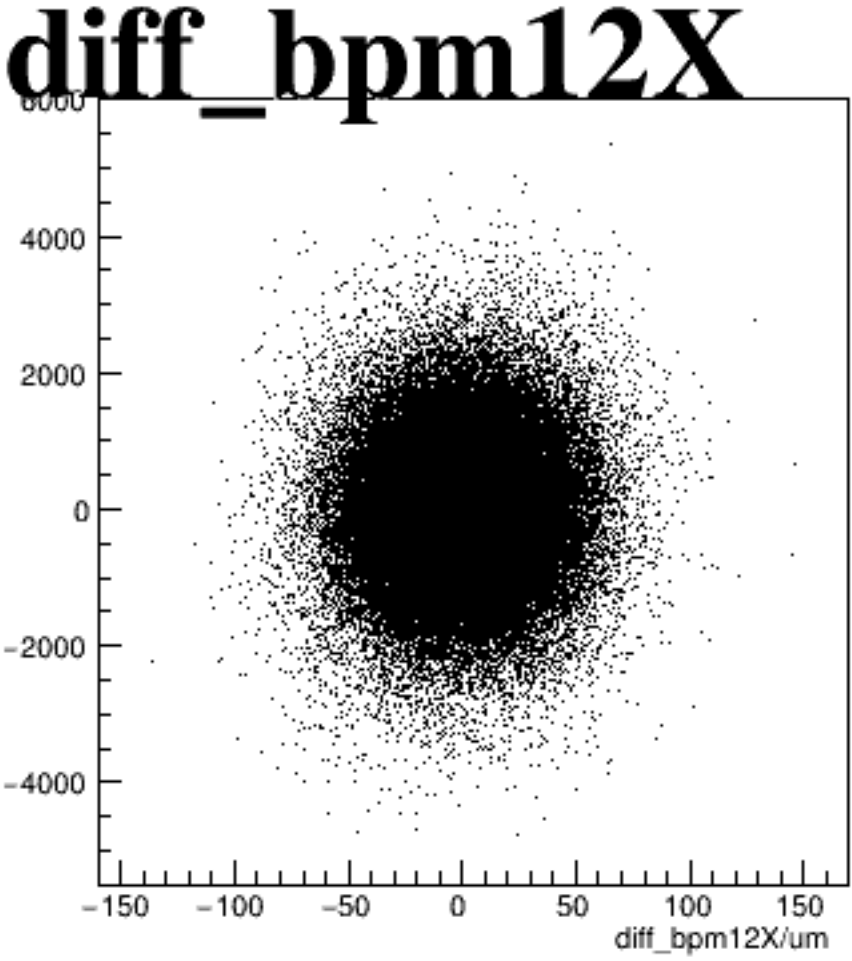
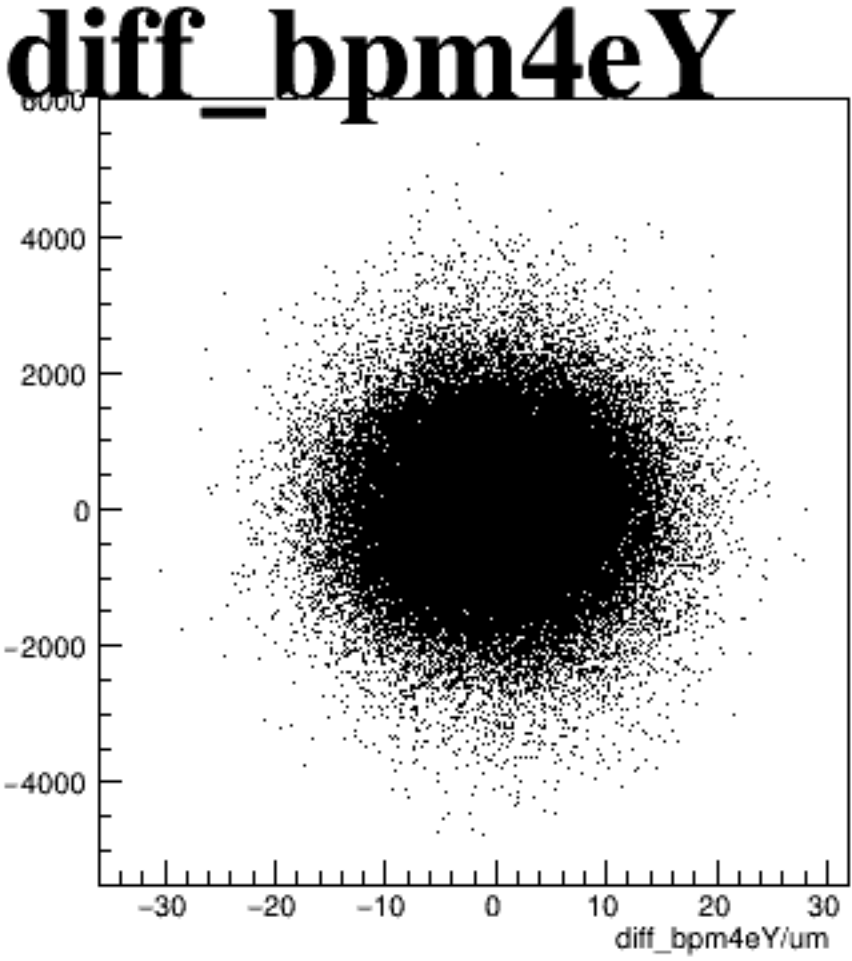
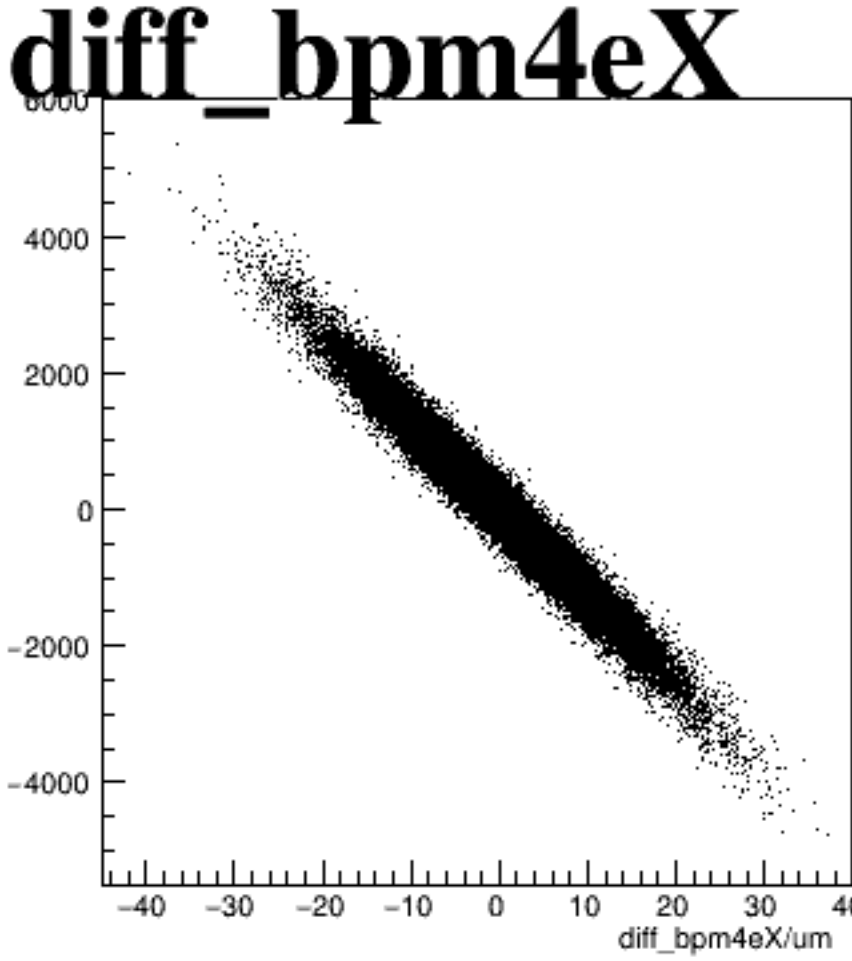
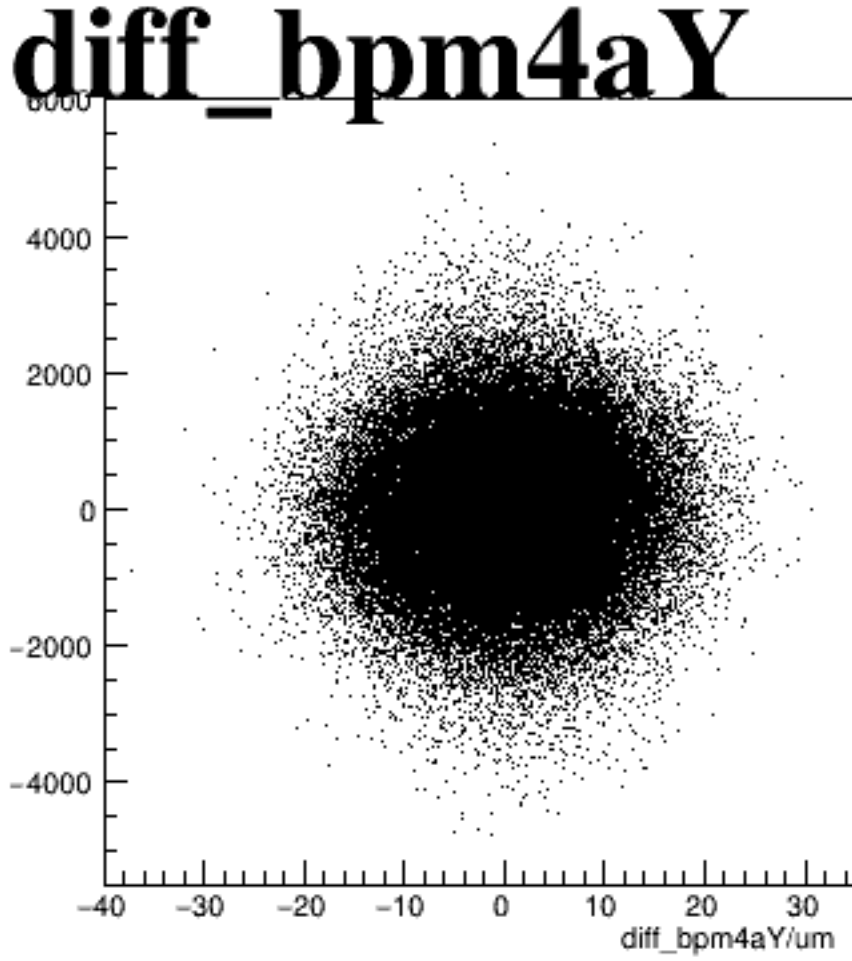
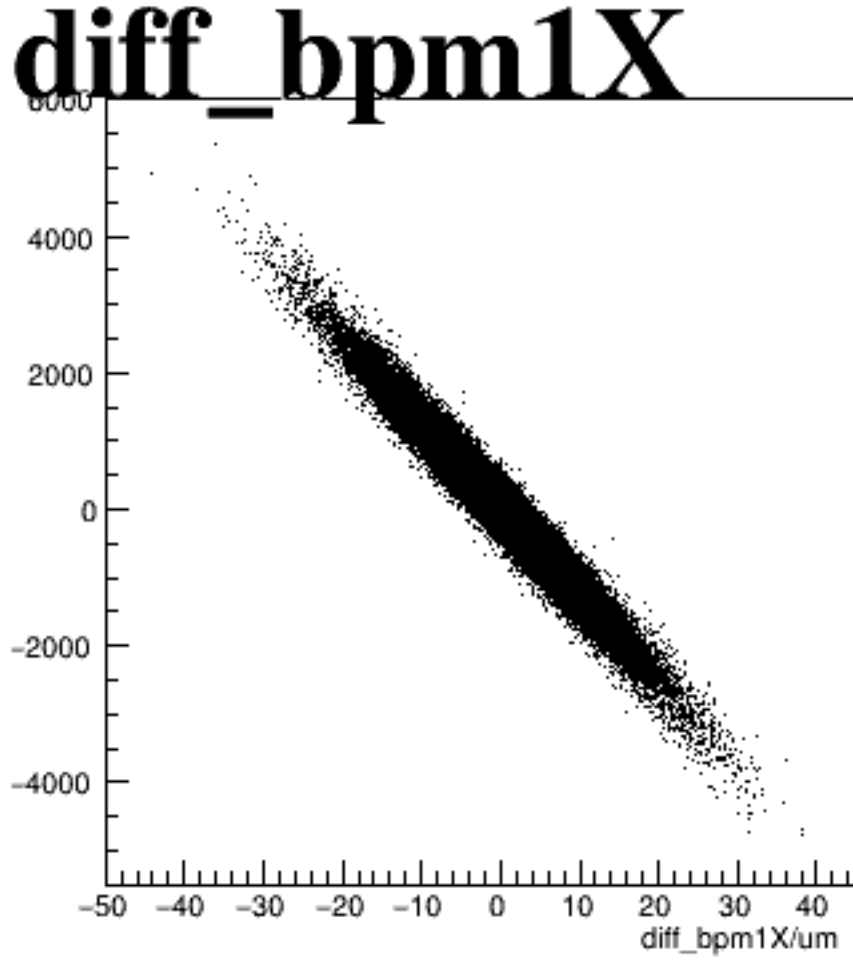
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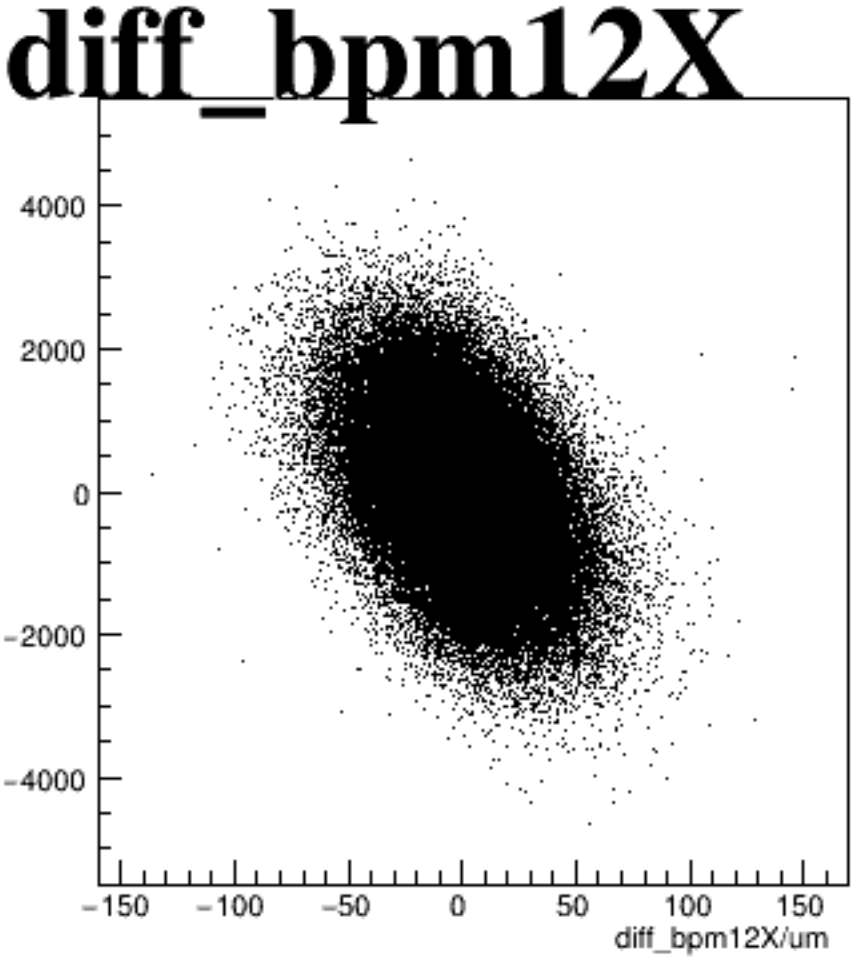
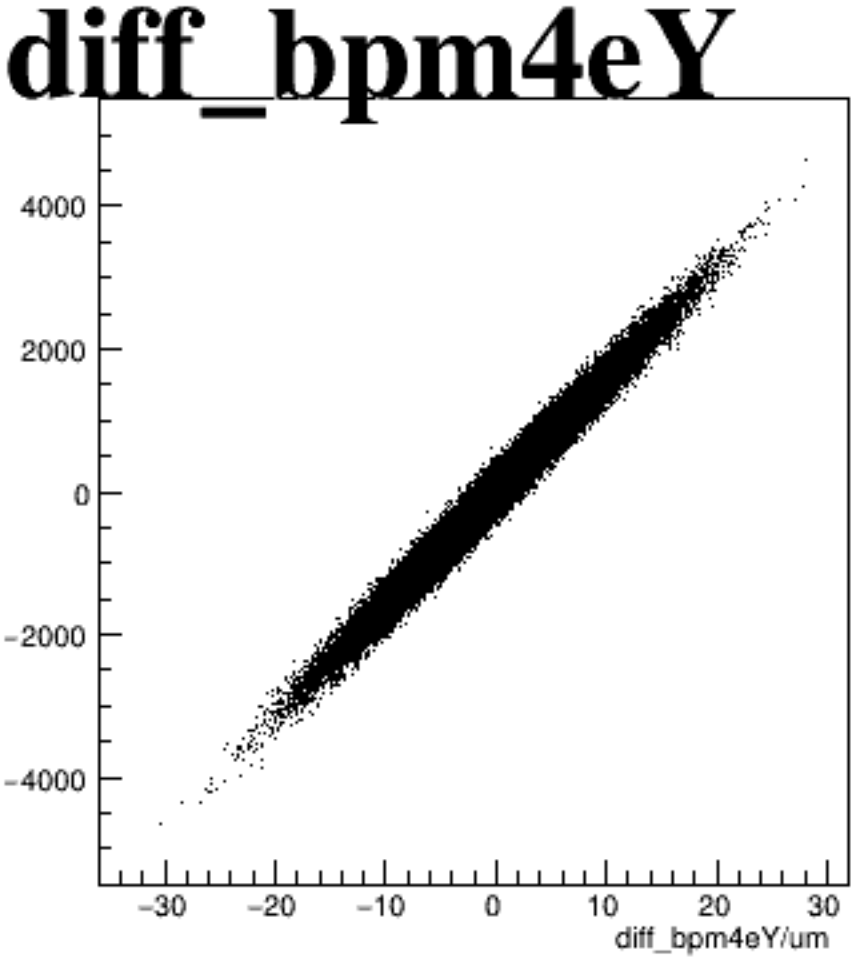
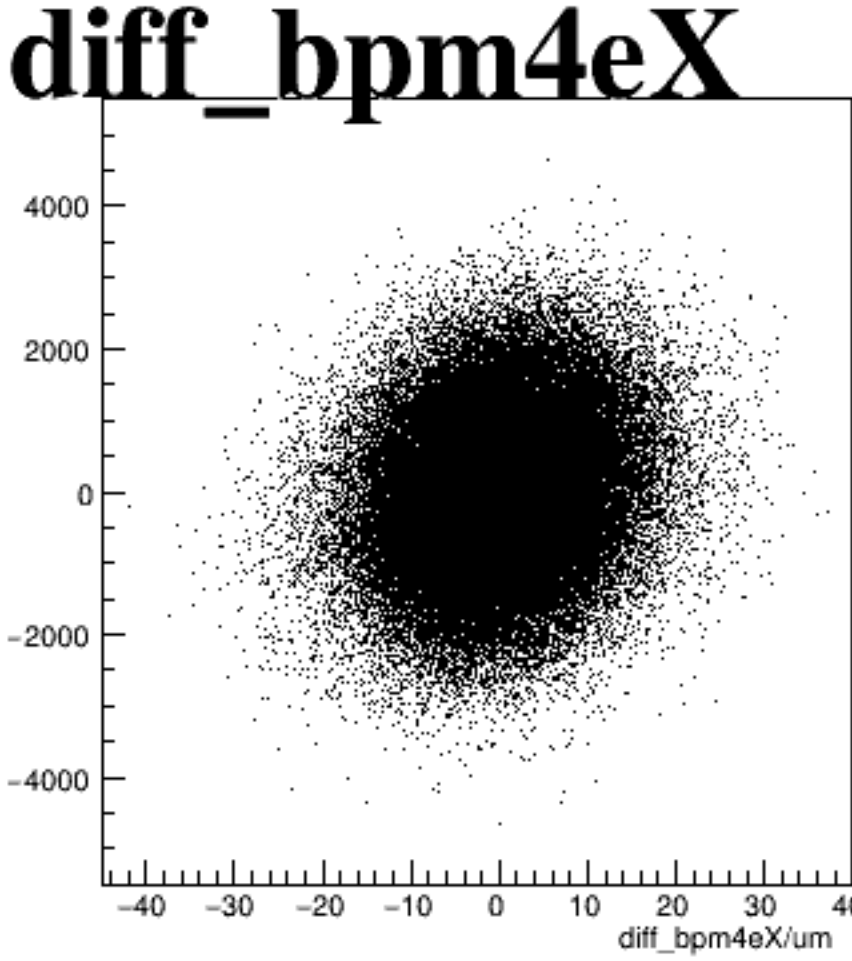
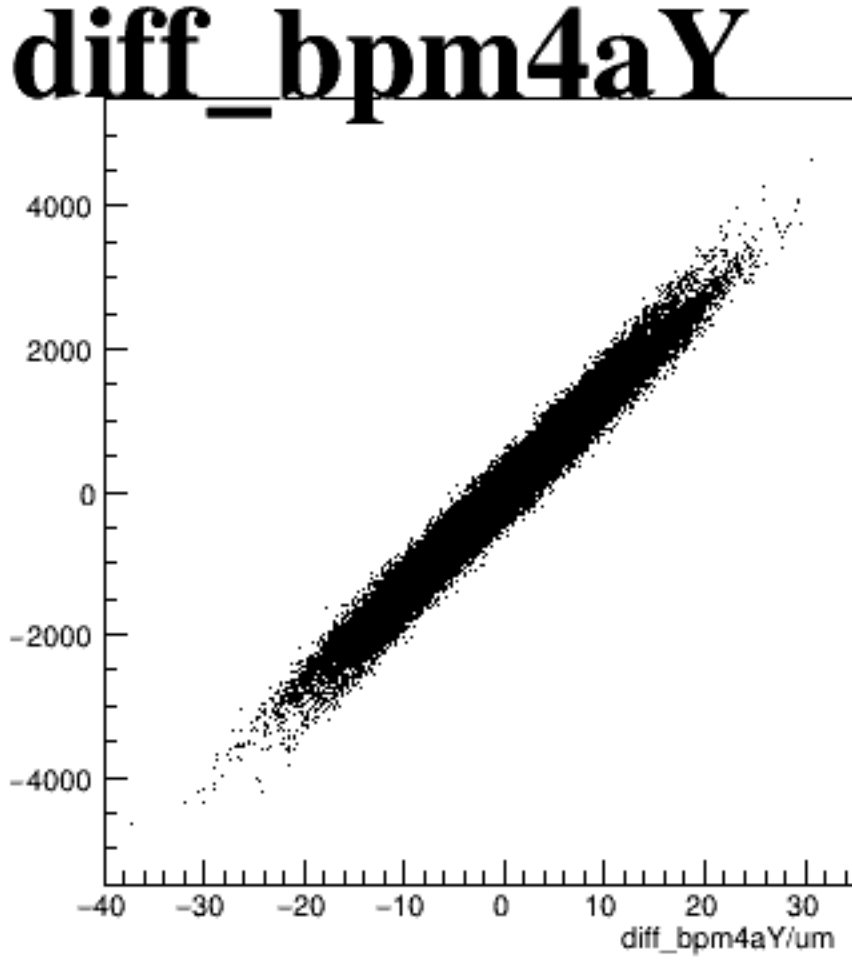
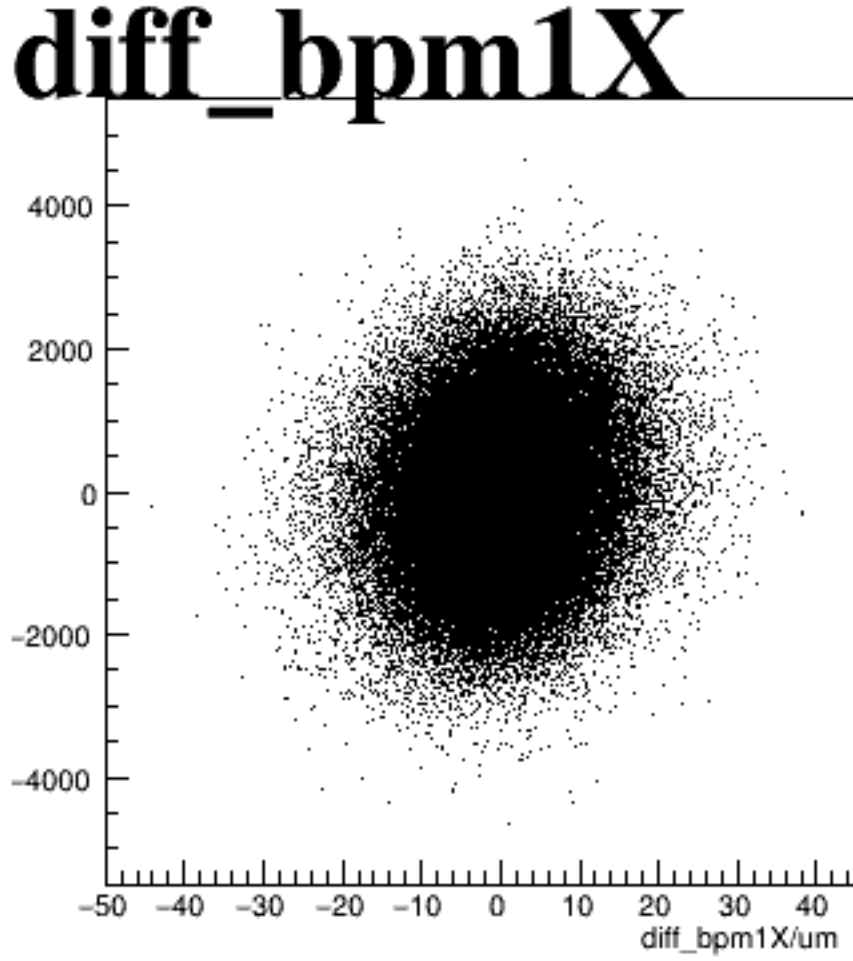
asym_sam1



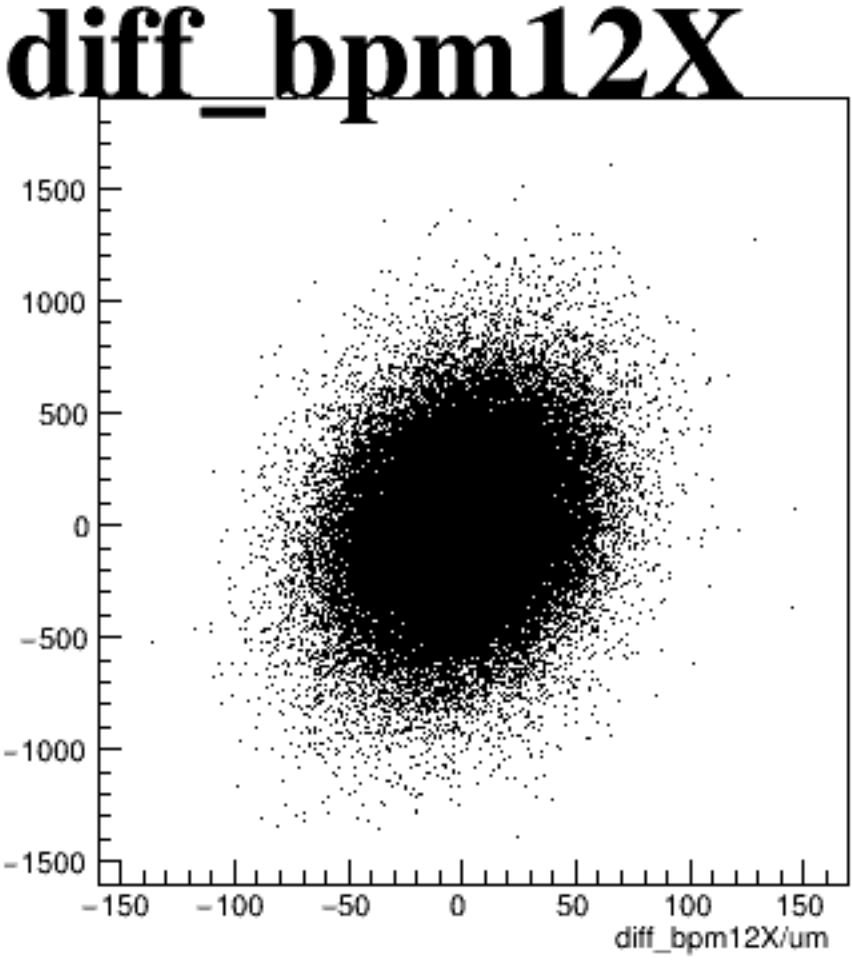
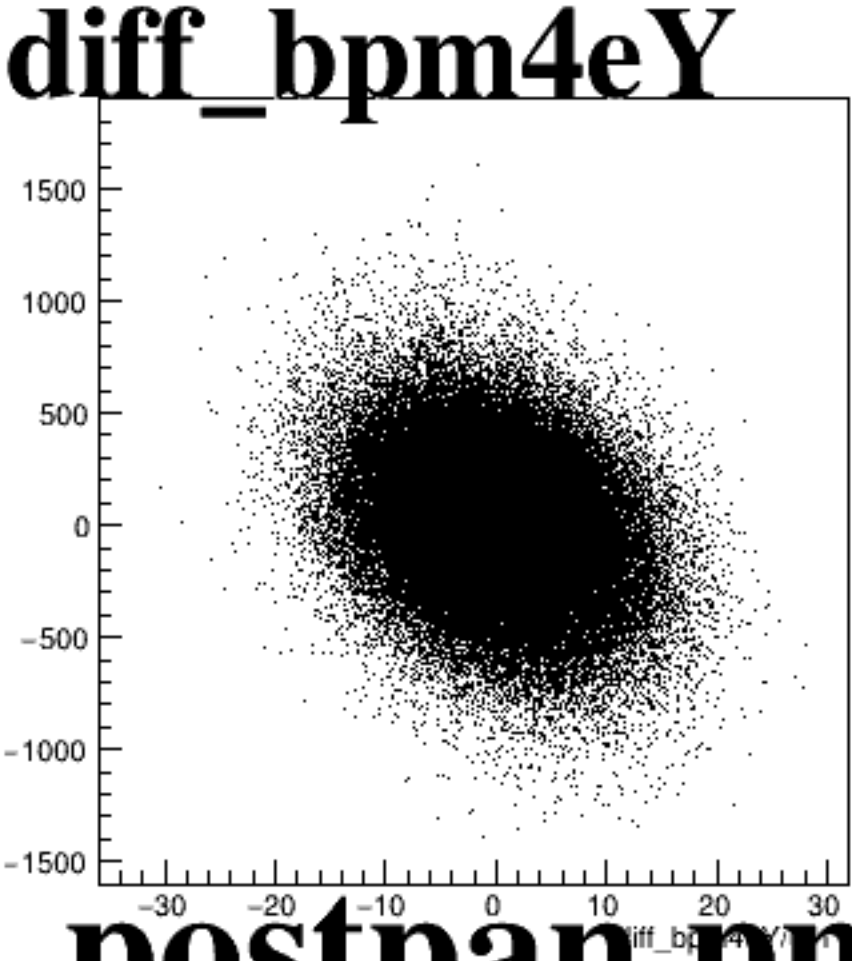
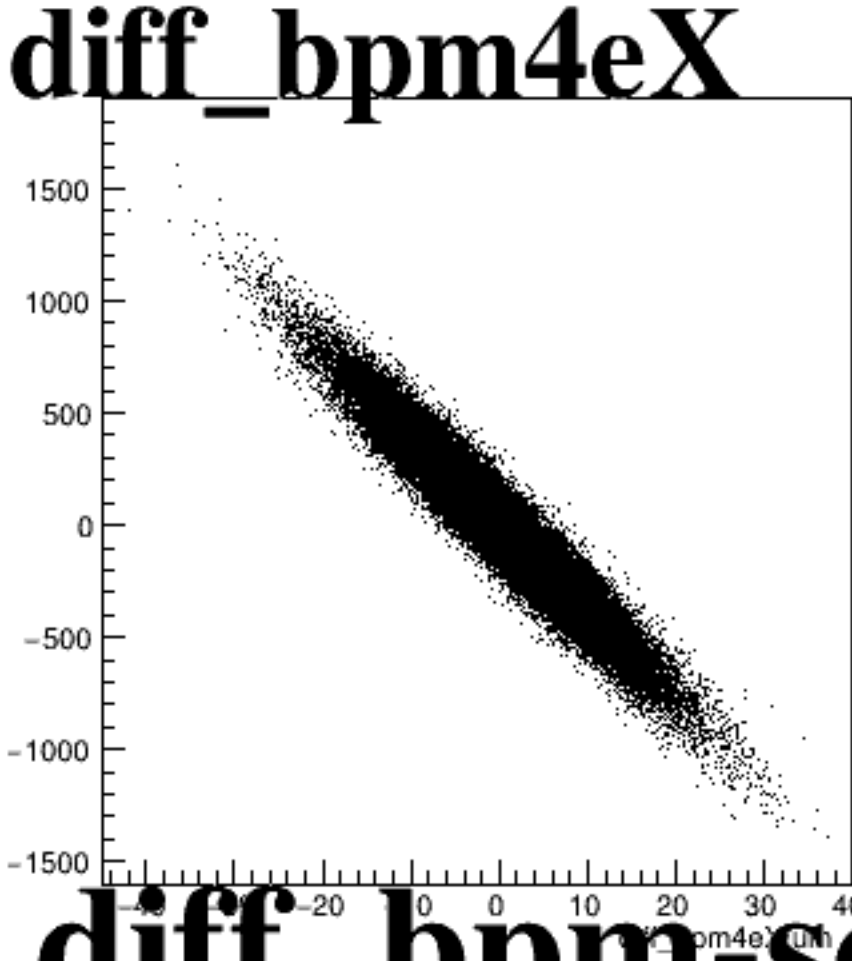
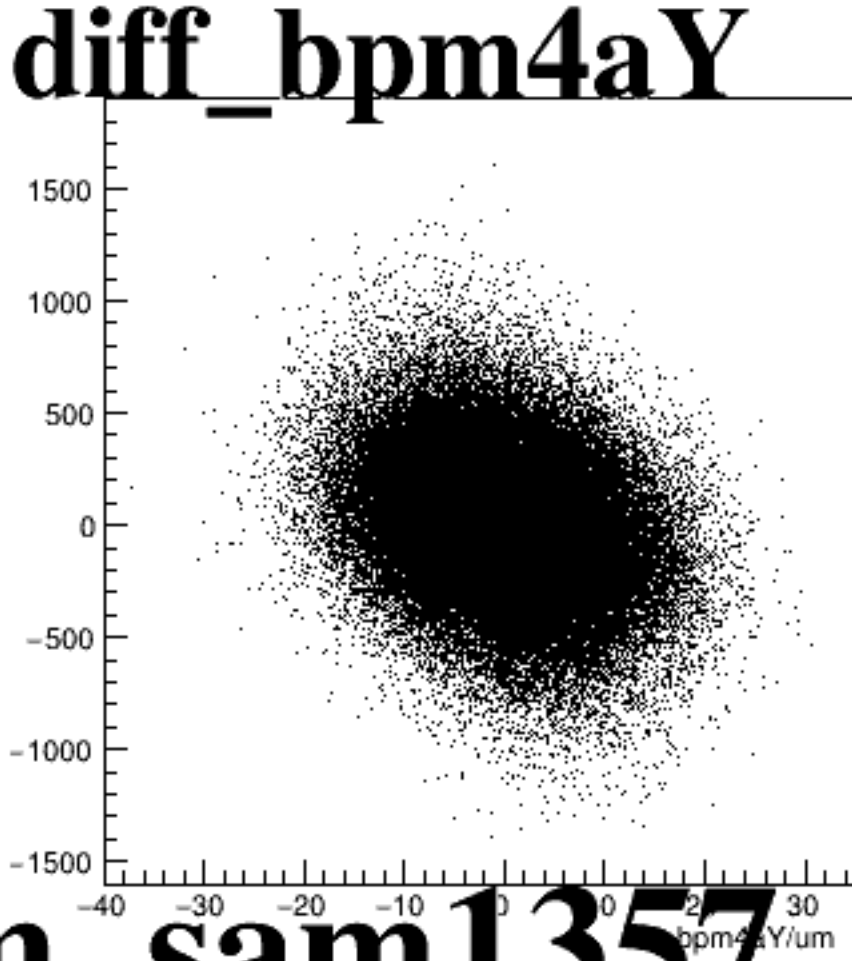
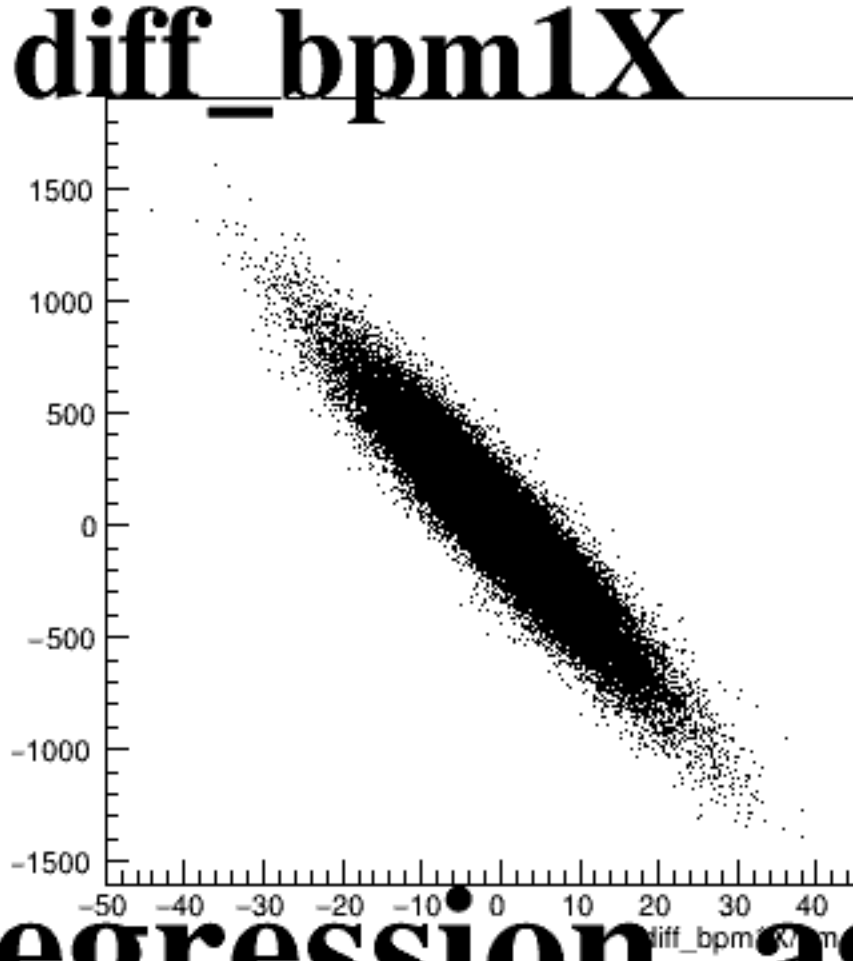
asym_sam3



asym_sam5



asym_sam7



The figure displays five scatter plots, each representing the difference in beam position measurements (diff_bpm) for a specific beam size and position. The plots are arranged horizontally and labeled as follows:

- diff_bpm1X**: The x-axis ranges from -50 to 40, and the y-axis ranges from -300 to 300. The data points are centered around zero.
- diff_bpm4aY**: The x-axis ranges from -40 to 30, and the y-axis ranges from -300 to 300. The data points are centered around zero.
- diff_bpm4eX**: The x-axis ranges from -40 to 40, and the y-axis ranges from -300 to 300. The data points are centered around zero.
- diff_bpm4eY**: The x-axis ranges from -30 to 30, and the y-axis ranges from -300 to 300. The data points are centered around zero.
- diff_bpm12X**: The x-axis ranges from -150 to 150, and the y-axis ranges from -300 to 300. The data points are centered around zero.

In all plots, the data points form a dense, roughly circular cloud centered at the origin, indicating that the difference in beam position measurements is small and consistent across the range of beam sizes and positions shown.